



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7083**

SCHEDULED SALE DATE AND TIME: 10:00 a.m. (local time) on September 27, 2022.

LOCATION: ATLANTA MGMT UNIT, 13501 M 33, ATLANTA, MI 49709.

PROSPECTUS NOTE: The bidder is advised to inspect the sale area and review the location, estimated volumes, operating costs and contract terms of proposed sales. Please be aware that some landowners may request 60 days or more notice for access across their land.

Notice is hereby given that bids will be received by the Unit Manager, ATLANTA MANAGEMENT UNIT, for certain timber on the following described lands:

Lake of the Ozarks Mix (54-021-21) / T31N, R07E, SEC. 6 , NWNW.

T32N, R07E, SEC. 31, S1/2SW,SWSE.

T32N, R07E, SEC. 32, S1/2SW,SWSE.

Alpena County, Advertised Price \$67,780.15, 67.4 Acres, Aspen, Spruce/Fir/Tamarack.

SALE NOTE: A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions.

Graham's Long Mile Mix (54-022-21) / T32N, R06E, SEC. 26, S1/2SW.

T32N, R06E, SEC. 34, NENE.

T32N, R06E, SEC. 35, NW,NE.

Alpena County, Advertised Price \$65,350.40, 78.8 Acres, Aspen, Hardwood.

SALE NOTE: Timber mats are needed for hauling wood to and from the central region of the sale . See sale spec 5.2.17 for details.

C108 Land O Giant Aspen D Mix (54-023-21) / T32N, R05E, SEC. 27, NW,W1/2NE,N1/2SW.

T32N, R05E, SEC. 34, W1/2SE.

Alpena County, Advertised Price \$97,116.35, 142.2 Acres, Aspen, Hardwood.

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

A stream crossing permit is required. Refer to timber sale spec 4.1.2 for details.

Extensive roadwork is required. Refer to timber sale spec 4.1.8 for details.

Permission for access across private land is the responsibility of the Purchaser. Refer to timber sale spec 4.4.1 for details.

Contact DNR Forester Dale Parris at (989) 590-1204 for additional sale information related to the above noted sale specs.

Access may be through private or other public land.

Buckthorn Deer Drive SBW Mix (54-033-21) / T31N, R05E, SEC. 13, SW,N1/2SE,SWSE.
T31N, R05E, SEC. 24, NWNW.

Alpena County, Advertised Price \$44,758.55, 78.8 Acres, Aspen, Spruce/Fir/Tamarack.

SALE NOTE: A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity.
Certain restrictions/specifications may be applicable including time restrictions.

BID INSTRUCTIONS (VER. 07/02/2018):

1. Scheduled Bid Location, Date, and Time (2/11)

Bids must be received by the Unit Manager, ATLANTA OFFICE, 13501 M 33, ATLANTA, MI 49709, no later than 10:00 a.m. (local time) on September 27, 2022. For further information concerning this sale, contact Cody Stevens at 989-785-4251 extension 5240.

2. Bidder's Qualifications (5/16)

Purchaser shall obtain workers compensation insurance to cover claims under Michigan's Worker's Disability Compensation Act of 1969 or similar employee benefit act of any other state applicable to an employee. If all or part of a timber sale was prepared by a private contractor, the contractor and that contractor's company are not permitted to bid on the timber sale contract. Bids will not be accepted from individuals or companies appearing on the DNR/FRD No-Bid List. This list contains the names of purchasers who previously failed to execute a contract within 21-days or who have a history of poor performance.

3. Preparation of Sealed Bids (5/16)

Bid Forms may be completed online thru Michigan DNR Timber Sale Online Bidding (OLB) at www.michigan.gov/timberbidding or by completing the hardcopy Bid Form found in the Timber Sale Prospectus. Hardcopy Bid Forms shall be manually signed in ink. Registration in OLB is considered your 'signature' for all bids submitted thru that system. Bid prices must be entered for each species and product in the Bid Price column for all material subject to bidding and all fill-in blanks must be completed. If erasures or other changes appear on the hardcopy Bid Form, each erasure or change must be initialed by the person signing the bid.

4. Submission of Sealed Bids (5/16)

Bid forms may be obtained from the Unit Manager or thru OLB. Bids may be submitted hardcopy or thru OLB. All hardcopy bids must be submitted on the bid form and in an envelope clearly identified as described in this section. NOTE: Only one bid form per bid envelope. Sealed bids must be submitted to the Unit office designated in the prospectus and must be submitted at or prior to the time established in the prospectus. The envelope should show on the outside (a) the sale name or number and (b) the date and time of bid opening, as shown in the prospectus. Bids received after the time specified in the sale prospectus are late bids and will be rejected.

It is possible for a bidder to submit multiple bids on a single sale. For example, a bid may be submitted hardcopy and a bid may be submitted thru OLB. Or, two bidders from the same company could both submit bids on the same sale. If this were to happen, the State would accept all bids received and award the contract accordingly. All bidding and contractual requirements would apply to all bids received.

5. Public Opening of Sealed Bids (7/16)

If conditions permit, the sealed bids will be publicly opened and posted at the time and place set in the prospectus.

If a bidder, present at a bid opening, has submitted bids on more than one sale, that bidder may withdraw their unopened bid envelopes or announce the withdrawal of their online bid after being declared the successful bidder on one sale.

6. Award of Contract (1/11)

Award of the contract will be made to the Bidder whose bid, conforming to the prospectus, is most advantageous to the State of Michigan on the basis of total value at rates bid for the estimated quantities. The State reserves the right to reject any bid or waive any minor irregularity in bids received. A written award mailed (or otherwise furnished) to the successful Bidder shall be deemed to result in a binding contract without further action by either party.

7. Down Payment (1/11)

The Bidder to whom award is made must make a down payment within 21 days of the sale award. The amount of the down payment will be calculated as shown in the Bond and Payment Schedule of this prospectus. Only cash may be used to meet this requirement.

8. Performance Security (1/11)

As guarantee of faithful performance, a cash bond, certificate of deposit, surety bond or irrevocable letter of credit (LOC) is required within 21 days of the sale award. The amount of the performance security is shown in the Bond and

Payment Schedule of this prospectus. If an LOC or surety is used, the coverage must extend for at least 6 months beyond the contract expiration.

9. Timber Sale Contract (7/18)

Additional conditions and requirements common to all timber sales are listed on the timber sale contract (R4031) and are available on line at www.michigan.gov/timber. Contact the Unit Manager for additional information or a sample contract. Within 21 days of the date of the award letter, the bidder must sign the contract and provide the required down payment, performance security, and verification of worker's disability compensation. The down payment and performance security shall be in accordance with the provisions of the timber sale contract, in the sums stated in this prospectus. If these actions are not taken, then the Bidder, the Bidder's corporation, and the corporation's principals may not be permitted to bid on State timber sales for a period of 3 months after the first offense, 6 months after the second offense, and 1 year after the third offense. An offense will only be counted against the Bidder for 5 years. In addition, the Bidder certifies that if awarded this contract, the Bidder will complete the timber sale contract in accordance with its terms and any modifications thereof including requirements to purchase, cut, and remove the included timber by the expiration date.

Payment Unit values in the State Forest Timber Sale Contract are calculated based on the advertised value of the Payment Unit as a percentage of the total advertised value of the contract. The advertised value of each Payment Unit is given in the Description of Timber by Payment Unit table on the Timber Sale Information page. For example, if the value of Payment Unit 1 is advertised as \$1,500 and the total Timber Sale value is advertised as \$10,000, the contract price for Payment Unit 1 will be 15% of the total bid price ($\$1,500/\$10,000 * 100$).

10. Disclaimer of Estimates and Bidder's Warranty of Inspection (7/16)

Before submitting this bid, the Bidder is advised and cautioned to inspect the sale area, review the requirements of the sale contract, and take other steps as may be reasonably necessary to ascertain the location, estimated volumes, construction estimates, and operating costs of the proposed sale. Failure to do so will not relieve the Bidder from responsibility for completing the contract.

The Bidder warrants that this bid is submitted solely on the basis of the Bidder's examination and inspection of the quality and quantity of the timber offered for sale and the Bidder's opinion of the value thereof and the costs of recovery. No reliance should be placed on the State of Michigan's estimates of timber quality, quantity or costs of recovery. Bidder further acknowledges that the State of Michigan: (i) expressly disclaims any warranty of fitness of timber for any purpose; (ii) offers this timber as is without any warranty of quality (merchantability) or quantity and (iii) expressly disclaims any warranty as to the quantity or quality of timber sold.

11. Certification and Chain-of-Custody (10/14)

Unless otherwise indicated in the contract under section 7 – Other Conditions of the Sale Specific Conditions & Requirements, the area encompassed by this timber sale is certified to the standards of the Forest Stewardship Council (FSC) - Certificate #SCS-FM/COC-00090N and the Sustainable Forestry Initiative (SFI) - Certificate #NSF-SFIS-5Y031-SF5. Forest products from this sale may be delivered to the mill as "FSC 100% and / or SFI certified" as long as the contractor hauling the forest products is chain-of-custody (COC) certified or covered under a COC certificate from the destination mill. The purchaser is responsible for maintaining COC after leaving the sale area.

12. Good Neighbor Authority (GNA) Requirements (7/16)

If the name of this timber sales contains the acronym GNA, it is authorized by the Good Neighbor Authority (GNA) and covered by various agreements between the U.S. Forest Service and the State. The timber sale occurs on federal land and the following conditions apply:

GNA contracts on US Forest Service land will not be awarded to purchasers on the Federal list of excluded parties. The System for Award Management (SAM) will be checked for active excluded parties prior to award of contract. In addition, the Bidder to whom award is made must complete an Assurance Regarding Felony Conviction or Tax Delinquent Status for Corporate Applicants (AD-3031).

13. Good Neighbor Authority (GNA) Requirements, con't (9/16)

Bidder certifies, by signing this bid form, that to the best of Bidder's knowledge that the following representations are accurate and complete.

- a. That the Bidder and its principals are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntary excluded from timber sales (covered transactions) by any Federal department or agency.
- b. That the Bidder and its principals have not within a 3-year period preceding this bid been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining , attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
- c. That the Bidder and its principals are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph b of this certification.
- d. That the Bidder and its principals have not within a 3-year period preceding this bid had one or more public transactions (Federal, State, or local) terminated for breach or default of a timber or forest product contract.

Bidders that cannot certify this requirement, in whole or in part, shall submit an explanation with their bid.

DAN EICHINGER
Director

TIMBER SALE INFORMATION

Lake of the Ozarks Mix (54-021-21)
 T31N, R07E, SEC. 6; T32N, R07E, SEC. 31; T32N, R07E, SEC. 32.
 Alpena County (Advertised Price \$67,780.15)

SALE NOTE: A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions.

A timber sale contract for this lump sum, sealed bid timber sale will be awarded to the responsible bidder offering the highest sealed bid price. All units of volume listed below were estimated using the Inventory Manager computer program and the new Michigan taper model. Bids must be at or above the following advertised price for each product and species:

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Mixed Aspen	94.3 MBF	\$ 89.00 / MBF
Mixed Spruce	6.1 MBF	\$ 33.00 / MBF
Red Maple	36.6 MBF	\$ 57.00 / MBF
Red Pine	26.3 MBF	\$ 123.00 / MBF
White Pine	33.4 MBF	\$ 90.00 / MBF
Pulpwood		
Balsam Fir	474 Cords	\$ 16.25 / Cord
Jack Pine	9 Cords	\$ 11.05 / Cord
Mixed Aspen	1,075 Cords	\$ 24.30 / Cord
Mixed Hardwood	496 Cords	\$ 21.45 / Cord
Mixed Spruce	88 Cords	\$ 8.20 / Cord
Paper Birch	112 Cords	\$ 10.30 / Cord
Red Pine	28 Cords	\$ 42.35 / Cord
White Pine	208 Cords	\$ 15.55 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 4.16 percent. There are an estimated 2,859 cords on this timber sale, plus or minus 119 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$3,389.00 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
2. Cutting in any sale or unit without the required advance payment would be considered a trespass.
3. Total payment must be paid in advance or according to the following schedule :
 - (a) Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
 - (b) The 10% down payment will be credited towards the first unit cut.
 - (c) Payment for each of the following units must be made before cutting begins in that unit:

PAYMENT UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	19.8%
02	18.6%
03	11.7%
04	6.8%
05	5.2%
06	24.3%
07	13.6%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2024.

SALE STATISTICS

Volumes were calculated in cubic feet using the Michigan taper model. Cubic foot volume includes all wood inside bark for the product indicated. For display purposes, cubic feet were converted to cords and MBF using a simple conversion factor, e.g. 79 cubic feet per cord and 185 cubic feet per MBF. The cubic foot volumes are precise; the cords and MBF volumes are not. Cubic foot volume cannot be directly converted to cords or boards with precision.

SALE VOLUMES

The total estimated sale volume may not equal the sum of the species/products due to the nature of statistical calculations associated with double sampling methodology.

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
225,894	2,859	4.16%	2,740	2,978

VDU VOLUMES

A VDU is a Volume Determination Unit. Volumes and their associated statistics are calculated at the VDU level and summarized to the sale level. There is often a one to one relationship between a VDU and a Payment Unit, but not always, depending on the cruise design. Refer to the VDU TO PAYMENT UNIT table.

VDU	VOLUME			RANGE IN CORDS	
	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
4	49,676	629	9.02%	572	686
6	39,182	496	11.87%	437	555
9	13,173	167	10.73%	149	185
13	1,746	22	0.00%	22	22
14	26,329	333	13.36%	289	378
27	955	12	5.88%	11	13
30	21,566	273	10.53%	244	302
32	1,570	20	52.38%	9	30
40	8,761	111	18.31%	91	131
47	7,125	90	14.29%	77	103
48	53,906	682	8.87%	622	743
49	1,904	24	11.50%	21	27
TOTAL:	225,894	2,859		2,545	3,174

VDU TO PAYMENT UNIT

When a VDU is associated with more than one Payment Unit (PU), the VDU volumes are assigned to the PU based on acres of the VDU within the PU.

VDU	VDU ACRES	PU	PU ACRES
4	12.7	1	12.7
6	12.8	2	12.5
		3	0.3
9	3.9	4	3.9
13	1.0	5	1.0
14	7.8	6	5.4
		7	2.4
27	0.7	4	0.7
30	6.7	3	6.7
32	0.9	4	0.9
40	3.4	3	3.4
47	3.7	5	3.7
48	12.6	6	7.9
		7	4.7
49	1.2	7	1.2
TOTAL:	67.4		67.4

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Aspen	Sawtimber	4.8	MBF	12.7	\$13,423.85
	<i>Quaking Aspen</i>		4.8	<i>MBF</i>		
	Mixed Spruce		4.9	MBF		
	<i>White Spruce</i>		4.9	<i>MBF</i>		
	Red Maple		2.1	MBF		
	Red Pine		9.6	MBF		
	White Pine		22.8	MBF		
	Balsam Fir	Pulpwood	124	Cords		
	<i>Balsam Fir</i>	<i>Sawtimber</i>	9.0	<i>MBF</i>		
	<i>Balsam Fir</i>	<i>Pulpwood</i>	106	<i>Cords</i>		
	Mixed Aspen		121	Cords		
	<i>B. T. Aspen</i>		31	<i>Cords</i>		
	<i>Quaking Aspen</i>		90	<i>Cords</i>		
	Mixed Hardwood		23	Cords		
	<i>Black Cherry</i>		4	<i>Cords</i>		
	<i>Red Maple</i>		19	<i>Cords</i>		
	Mixed Spruce		50	Cords		
	<i>Black Spruce</i>		4	<i>Cords</i>		
	<i>White Spruce</i>		46	<i>Cords</i>		
	Paper Birch		7	Cords		
	<i>Paper Birch</i>		7	<i>Cords</i>		
	Red Pine		13	Cords		
	White Pine		193	Cords		
2	Mixed Aspen	Sawtimber	12.1	MBF	12.5	\$12,579.35
	<i>B. T. Aspen</i>		3.8	<i>MBF</i>		
	<i>Quaking Aspen</i>		8.3	<i>MBF</i>		
	Red Maple		10.9	MBF		
	Red Pine		2.2	MBF		
	White Pine		8.8	MBF		
	Balsam Fir	Pulpwood	64	Cords		
	<i>Balsam Fir</i>	<i>Sawtimber</i>	7.1	<i>MBF</i>		
	<i>Balsam Fir</i>	<i>Pulpwood</i>	50	<i>Cords</i>		
	Jack Pine		9	Cords		
	Mixed Aspen		223	Cords		
	<i>B. T. Aspen</i>		138	<i>Cords</i>		
	<i>Balsam Poplar</i>		6	<i>Cords</i>		
	<i>Quaking Aspen</i>		79	<i>Cords</i>		
	Mixed Hardwood		118	Cords		
	<i>Red Maple</i>		118	<i>Cords</i>		
	Mixed Spruce		3	Cords		
	<i>White Spruce</i>		3	<i>Cords</i>		
	Paper Birch		10	Cords		
	<i>Paper Birch</i>	<i>Sawtimber</i>	1.5	<i>MBF</i>		
	<i>Paper Birch</i>	<i>Pulpwood</i>	7	<i>Cords</i>		
	Red Pine		12	Cords		
	White Pine		6	Cords		
3	Mixed Aspen	Sawtimber	9.4	MBF	10.4	\$7,938.70
	<i>B. T. Aspen</i>		0.7	<i>MBF</i>		
	<i>Quaking Aspen</i>		8.7	<i>MBF</i>		
	Red Maple		13.7	MBF		
	Red Pine		1.7	MBF		
	White Pine		1.8	MBF		
	Balsam Fir	Pulpwood	79	Cords		
	<i>Balsam Fir</i>	<i>Sawtimber</i>	1.2	<i>MBF</i>		
	<i>Balsam Fir</i>	<i>Pulpwood</i>	77	<i>Cords</i>		
	Mixed Aspen		94	Cords		

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU), CON'T

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
3 con't	<i>B. T. Aspen</i>	<i>Pulpwood</i>	27	<i>Cords</i>		
	<i>Quaking Aspen</i>		67	<i>Cords</i>		
	Mixed Hardwood		70	<i>Cords</i>		
	<i>Red Maple</i>		70	<i>Cords</i>		
	Mixed Spruce		8	<i>Cords</i>		
	<i>Black Spruce</i>		4	<i>Cords</i>		
	<i>White Spruce</i>		4	<i>Cords</i>		
	Paper Birch		72	<i>Cords</i>		
	<i>Paper Birch</i>	<i>Sawtimber</i>	5.2	<i>MBF</i>		
	<i>Paper Birch</i>	<i>Pulpwood</i>	62	<i>Cords</i>		
	Red Pine		1	<i>Cords</i>		
	White Pine		2	<i>Cords</i>		
4	Mixed Aspen	Sawtimber	10.3	MBF	5.5	\$4,617.70
	<i>B. T. Aspen</i>		10.3	<i>MBF</i>		
	Red Maple		4.6	MBF		
	Balsam Fir	Pulpwood	20	<i>Cords</i>		
	<i>Balsam Fir</i>		20	<i>Cords</i>		
	Mixed Aspen		89	<i>Cords</i>		
	<i>B. T. Aspen</i>		79	<i>Cords</i>		
	<i>Quaking Aspen</i>		10	<i>Cords</i>		
	Mixed Hardwood		36	<i>Cords</i>		
	<i>Green Ash</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		35	<i>Cords</i>		
	Mixed Spruce		8	<i>Cords</i>		
	<i>Black Spruce</i>		3	<i>Cords</i>		
	<i>White Spruce</i>		5	<i>Cords</i>		
	Paper Birch		11	<i>Cords</i>		
<i>Paper Birch</i>		11	<i>Cords</i>			
5	Mixed Aspen	Sawtimber	5.3	MBF	4.7	\$3,548.25
	<i>B. T. Aspen</i>		1.5	<i>MBF</i>		
	<i>Quaking Aspen</i>		3.8	<i>MBF</i>		
	Mixed Spruce		1.2	MBF		
	<i>Black Spruce</i>		1.2	<i>MBF</i>		
	Red Pine		12.8	MBF		
	Balsam Fir	Pulpwood	3	<i>Cords</i>		
	<i>Balsam Fir</i>		3	<i>Cords</i>		
	Mixed Aspen		46	<i>Cords</i>		
	<i>B. T. Aspen</i>		18	<i>Cords</i>		
	<i>Quaking Aspen</i>		28	<i>Cords</i>		
	Mixed Hardwood		2	<i>Cords</i>		
	<i>Red Maple</i>		2	<i>Cords</i>		
	Mixed Spruce		13	<i>Cords</i>		
	<i>Black Spruce</i>		13	<i>Cords</i>		
	Paper Birch		6	<i>Cords</i>		
<i>Paper Birch</i>	<i>Sawtimber</i>	1.9	<i>MBF</i>			
<i>Paper Birch</i>	<i>Pulpwood</i>	2	<i>Cords</i>			
Red Pine		2	<i>Cords</i>			
6	Mixed Aspen	Sawtimber	33.8	MBF	13.3	\$16,408.10
	<i>B. T. Aspen</i>		0.6	<i>MBF</i>		
	<i>Quaking Aspen</i>		33.2	<i>MBF</i>		
	Red Maple		3.3	MBF		
	Balsam Fir	Pulpwood	107	<i>Cords</i>		
	<i>Balsam Fir</i>		107	<i>Cords</i>		
	Mixed Aspen		325	<i>Cords</i>		
	<i>B. T. Aspen</i>		7	<i>Cords</i>		
<i>Quaking Aspen</i>		318	<i>Cords</i>			

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU), CON'T

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE				
6 con't	Mixed Hardwood	Pulpwood	160	Cords						
	<i>Black Cherry</i>		2	<i>Cords</i>						
	<i>Red Maple</i>		158	<i>Cords</i>						
	Mixed Spruce		3	Cords						
	<i>Black Spruce</i>		3	<i>Cords</i>						
	Paper Birch		4	Cords						
	<i>Paper Birch</i>		4	<i>Cords</i>						
	White Pine		5	Cords						
7	Mixed Aspen	Sawtimber	18.6	MBF	8.3	\$9,247.95				
	<i>B. T. Aspen</i>		0.3	<i>MBF</i>						
	<i>Quaking Aspen</i>		18.3	<i>MBF</i>						
	Red Maple	Pulpwood	2.0	MBF						
	Balsam Fir		76	Cords						
	<i>Balsam Fir</i>		76	<i>Cords</i>						
	Mixed Aspen		177	Cords						
	<i>B. T. Aspen</i>		4	<i>Cords</i>						
	<i>Quaking Aspen</i>		173	<i>Cords</i>						
	Mixed Hardwood		87	Cords						
	<i>Black Cherry</i>		1	<i>Cords</i>						
	<i>Red Maple</i>		86	<i>Cords</i>						
	Mixed Spruce		3	Cords						
	<i>Black Spruce</i>		2	<i>Cords</i>						
	<i>White Spruce</i>		1	<i>Cords</i>						
	Paper Birch		2	Cords						
	<i>Paper Birch</i>		2	<i>Cords</i>						
	White Pine		2	Cords						
	TOTAL:			196.7			MBF			
	TOTAL:			2,489			Cords			

Sale Specific Conditions & Requirements

Sale Name: Lake of the Ozarks Mix

Sale Number: 54-021-21 Seq#: 2

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by blue, red and yellow paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. Retention patches are marked with red paint; no harvesting activities may occur within these areas. The painted boundary line trees are not Included Timber and are to be protected. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

2 - Timber Specifications

2.1 - Included Timber

2.1.1 - Clearcut unit(s) with unmerchantable trees (6/14)

Within Payment Unit(s) 1-7, cut all trees that are two (2) inches or more at DBH, except do not cut or damage any green painted trees. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

3 - Payments

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings. Within Payment Unit 4, if more than 25% of the pine seedlings or saplings (1/4" to 4.5" DBH) within a specified portion of the sale area are damaged, liquidated damages will be assessed at \$150 per acre for all acreage within that specified portion of the sale area that was damaged.

3.4.2 - Special Protection Trees (4/14)

The Purchaser shall not cut live or dead special protection trees within cutting units or clearings. Special protection trees are marked with green. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$200 as fixed, agreed and liquidated damages for each special protection tree cut or damaged. Such payment does not constitute ownership of the undesignated timber.

4 - Transportation

4.1 - Construction

4.1.3 - Slash and earthen piles (8/04)

Piles or windrows of earth along roads and landings that have been widened or constructed shall be leveled. Slash from road maintenance or construction, including stumps, shall be dispersed throughout the sale.

4.1.6 - Road construction (1/09)

Improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be scattered, and not left in windrows and kept a minimum of 10 feet back from the road edge. Stumps shall be set upright, not left on edge, and be moved at least 10 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

4.1.12 - No new roads (1/12)

No new roads will be permitted in any Payment Unit. All operations are limited to existing roads. Skid trails only will be allowed.

4.2 - Maintenance

4.2.5 - Two wheel drive condition (2/04)

All existing trail roads on and adjacent to the sale area must be passable by two-wheel drive traffic for the duration of the sale.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/16)

A pre-sale conference on site between the Purchaser and sale administrator is required prior to beginning any operations within a Payment Unit to determine landing and road locations. The Unit Manager or his/her representative must be contacted at least 5 days in advance to schedule the conference.

5.1.4 - Post-sale conference (10/16)

A post-sale conference on site between the Purchaser and sale administrator is required 5 days prior to the completion of active logging operations to determine clean-up and repair of landings, road edges, and the fulfillment of other contract specifications.

5.2 - Conduct of Operations

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

Obvious hollow and/or den trees shall be protected and left standing unless they are a safety hazard.

5.2.3 - Operating Restrictions

5.2.3.11 - Coppice regeneration protection (4/10)

Timber harvesting in any Payment Unit must be completed before significant tree sprouting occurs in that Payment Unit so as to minimize damage to the new regeneration. Any post harvest operations, such as chipping, must be completed before sprouting of regeneration occurs. If it is anticipated that chipping will be delayed, then tops shall be carried to one central location or left unchipped. The Unit Manager or his/her representative may cease such operations if sprouting occurs before the operation is complete.

5.2.4 - Dead and Down Creation

5.2.4.7 - Dead and down creation: hare, grouse, deer and other species (5/15)

To improve horizontal cover habitat for snowshoe hare, grouse, deer, and other species, the Purchaser is to push over pink ringed trees. These trees should be tipped over with the root ball still attached so the base of the tree is suspended off the ground. The crown of the fallen tree should be at or near ground level after it is pushed over.

5.2.32 - Decking/landing restoration (9/13)

All decking and landing areas must have the surface area restored to a condition equal to or better than before. This is to ensure the proper regeneration of the stand. Wood debris, chips and "cookies" from trimmings must be removed or scattered away from landing and loading areas and may not be windrowed on the edge.

5.2.38 - No decking against live trees (2/04)

Cut products may not be decked against unmarked or designated leave trees.

5.2.41 - Snowmobile trail protection (9/11)

Snowmobile Trail 464 is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. Snowmobile Trail 464 runs down Herron Road outside the west boundary of Payment Unit 2. The trail does not run within any Payment Unit. All timber sale operations, with the exception of hauling timber down Herron Road and across the very west end of Shannon Road, shall not interfere with or take place near Snowmobile Trail 464. No decking of forest products will be permitted along the snowmobile trail.

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

5.8 - Protection of Endangered Species

5.8.5 - Protection of raptor nests (3/13)

All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an on-site evaluation and recommendation can be made, if necessary.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on forest roads prior to beginning operations. The road must be posted at appropriate distances from the sale area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.

6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on snowmobile trail 464 prior to beginning operations during the snowmobile season (approximately December 1 to March 31). The trail must be posted at appropriate distances from the sale area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.



TIMBER SALE MAP

This information provided by authority of Part 525, 1994 PA 451, as amended.

Forest Management Unit Atlanta		County Alpena	Mapped By D. Parris	Date 09/30/2021	Page 1	of 1
Township 31N 32N	Range 07E 07E	Section(s) and Subdivision(s) Sec 6 NWNW Sec 31S1/2SW, SWSE; Sec 32 S1/2SW, SWSE		Scale 1:15,840		

Cover Type				Density			
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium		
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well		
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	7 = Saw Timber Poor		
D = Tread Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine	3 = Seedling Sapling Well	8 = Saw Timber Medium		
E = Swamp Hdwoods	M = Mpl, Bch, Brch	R = Red Pine	X = Non Stocked	4 = Pole Timber Poor	9 = Saw Timber Well		
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water				
G = Grass	MD = Mixed Deciduous	T = Tamarack					

Legend

- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- Retention Area (Red)
- Nearby Timber Sales
- Stand Boundaries
- Payment Unit
- Primary Forest Road
- Forest Access Route
- Paved Road
- Gravel Road
- County Road - Seasonal
- Private
- Temporary Management Access
- Recreational Trail
- Powerline
- Perennial River
- Lakes and Rivers
- Section Corners

Lake of the Ozarks Mix

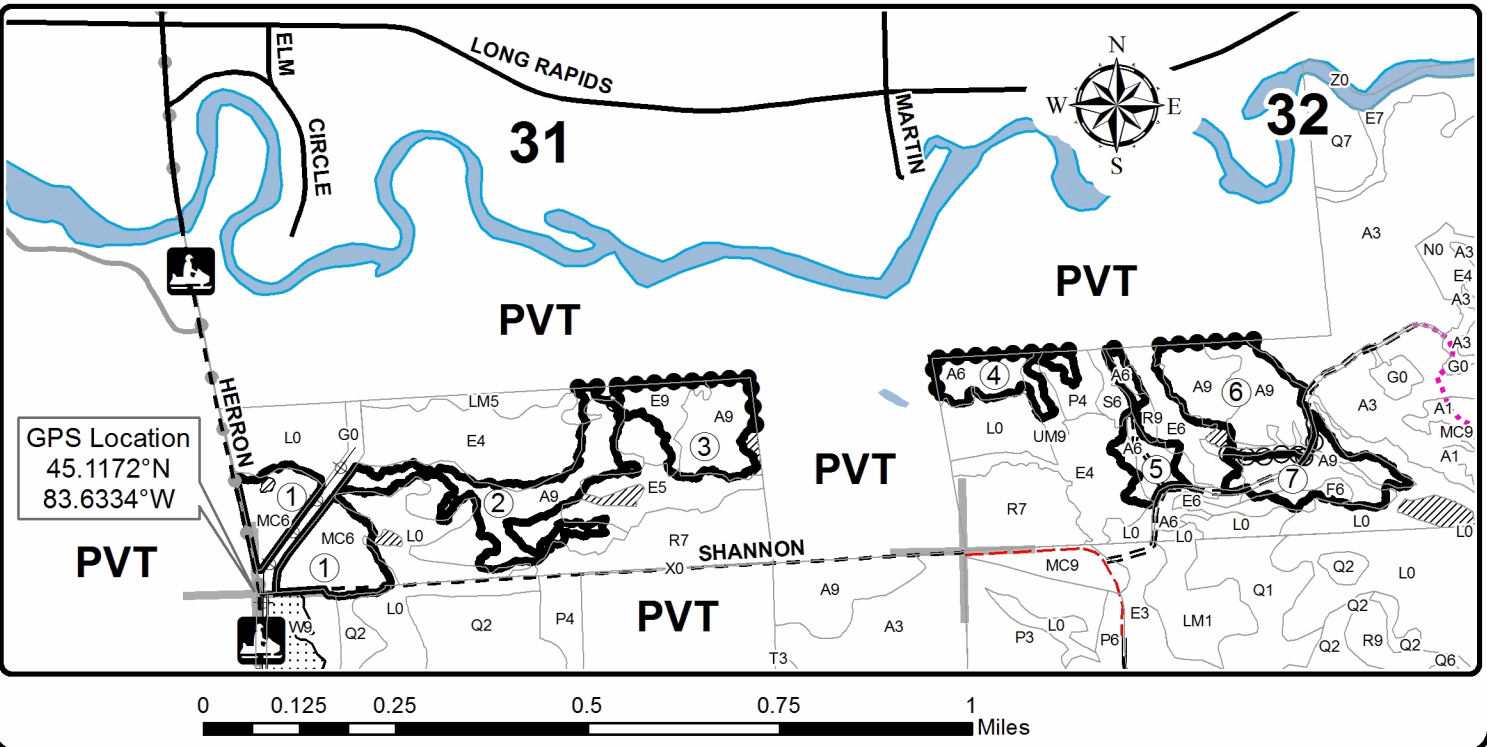
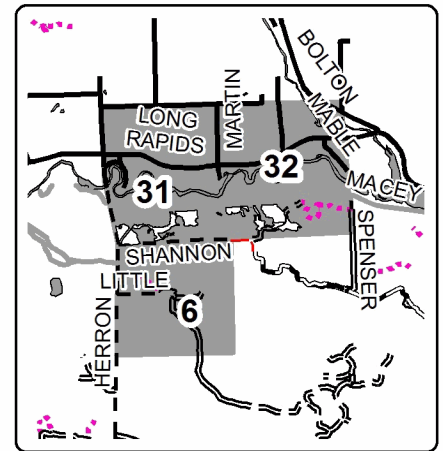
Compartment 114

67.4 Acres

PU	Acres	PU	Acres
1	12.7	5	4.7
2	12.5	6	13.3
3	10.4	7	8.3
4	5.5		

Locator Map

1:100,000



TIMBER SALE INFORMATION

Graham's Long Mile Mix (54-022-21)

T32N, R06E, SEC. 26; T32N, R06E, SEC. 34; T32N, R06E, SEC. 35.
Alpena County (Advertised Price \$65,350.40)

SALE NOTE: Timber mats are needed for hauling wood to and from the central region of the sale. See sale spec 5.2.17 for details.

A timber sale contract for this lump sum, sealed bid timber sale will be awarded to the responsible bidder offering the highest sealed bid price. All units of volume listed below were estimated using the Inventory Manager computer program and the new Michigan taper model. Bids must be at or above the following advertised price for each product and species:

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Mixed Aspen	120.7 MBF	\$ 89.00 / MBF
Red Maple	19.7 MBF	\$ 57.00 / MBF
Red Pine	77.9 MBF	\$ 123.00 / MBF
White Pine	48.1 MBF	\$ 90.00 / MBF
White Spruce	13.7 MBF	\$ 21.00 / MBF
Pulpwood		
Balsam Fir	104 Cords	\$ 16.25 / Cord
Mixed Aspen	999 Cords	\$ 24.30 / Cord
Mixed Hardwood	373 Cords	\$ 21.45 / Cord
Mixed Spruce	87 Cords	\$ 8.20 / Cord
Red Pine	75 Cords	\$ 42.35 / Cord
White Pine	92 Cords	\$ 15.55 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 5.51 percent. There are an estimated 2,368 cords on this timber sale, plus or minus 131 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$3,268.00 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
2. Cutting in any sale or unit without the required advance payment would be considered a trespass.
3. Total payment must be paid in advance or according to the following schedule :
 - (a) Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
 - (b) The 10% down payment will be credited towards the first unit cut.
 - (c) Payment for each of the following units must be made before cutting begins in that unit:

PAYMENT UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	17.8%
02	3.4%
03	35.9%
04	3.0%
05	2.4%
06	17.1%
07	1.6%
08	18.8%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2024.

SALE STATISTICS

Volumes were calculated in cubic feet using the Michigan taper model. Cubic foot volume includes all wood inside bark for the product indicated. For display purposes, cubic feet were converted to cords and MBF using a simple conversion factor, e.g. 79 cubic feet per cord and 185 cubic feet per MBF. The cubic foot volumes are precise; the cords and MBF volumes are not. Cubic foot volume cannot be directly converted to cords or boards with precision.

SALE VOLUMES

The total estimated sale volume may not equal the sum of the species/products due to the nature of statistical calculations associated with double sampling methodology.

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
187,037	2,368	5.51%	2,237	2,498

VDU VOLUMES

A VDU is a Volume Determination Unit. Volumes and their associated statistics are calculated at the VDU level and summarized to the sale level. There is often a one to one relationship between a VDU and a Payment Unit, but not always, depending on the cruise design. Refer to the VDU TO PAYMENT UNIT table.

	VOLUME			RANGE IN CORDS	
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
39	11,752	149	20.02%	119	179
40	6,079	77	20.13%	61	92
41	16,624	210	26.06%	156	265
42	4,311	55	22.88%	42	67
45	100,668	1,274	8.12%	1,171	1,378
46	964	12	0.00%	12	12
50	2,323	29	14.29%	25	34
70	6,062	77	20.32%	61	92
91	9,091	115	9.30%	104	126
99	13,544	171	14.91%	146	197
133	2,634	33	31.13%	23	44
138	12,985	164	18.44%	134	195
TOTAL:	187,037	2,368		2,055	2,680

VDU TO PAYMENT UNIT

When a VDU is associated with more than one Payment Unit (PU), the VDU volumes are assigned to the PU based on acres of the VDU within the PU.

VDU	VDU ACRES	PU	PU ACRES
39	4.9	8	4.9
40	2.9	4	1.9
		7	1.0
41	9.0	6	3.4
		8	5.6
42	2.7	2	2.7
45	29.6	1	10.2
		3	16.8
		6	2.6
46	0.6	3	0.6
50	1.0	5	1.0
70	4.8	6	4.8
91	4.9	8	4.9
99	6.3	3	6.3
133	2.8	6	2.0
		8	0.8
138	9.3	6	9.0
		8	0.3
TOTAL:	78.8		78.8

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE		
1	Mixed Aspen	Sawtimber	33.5	MBF	10.2	\$11,625.15		
	<i>B. T. Aspen</i>		27.6	<i>MBF</i>				
	<i>Quaking Aspen</i>		5.9	<i>MBF</i>				
	Red Maple		3.2	MBF				
	Red Pine		5.7	MBF				
	White Pine		1.0	MBF				
	White Spruce		0.9	MBF				
	Balsam Fir		Pulpwood	14			Cords	
	<i>Balsam Fir</i>			14			<i>Cords</i>	
	Mixed Aspen			226			Cords	
	<i>B. T. Aspen</i>			136			<i>Cords</i>	
	<i>Quaking Aspen</i>			90			<i>Cords</i>	
	Mixed Hardwood			72			Cords	
	<i>Black Cherry</i>			5			<i>Cords</i>	
	<i>Red Maple</i>			67			<i>Cords</i>	
	Mixed Spruce	3		Cords				
	<i>White Spruce</i>	3		<i>Cords</i>				
	Red Pine	6	Cords					
	White Pine	7	Cords					
	2	Red Maple	Sawtimber	0.6			MBF	2.7
Red Pine		11.8		MBF				
White Pine		1.8		MBF				
Mixed Hardwood		Pulpwood		8	Cords			
<i>American Elm</i>				1	<i>Cords</i>			
<i>Red Maple</i>				7	<i>Cords</i>			
Red Pine				6	Cords			
White Pine		11		Cords				
3	Mixed Aspen	Sawtimber	66.0	MBF	23.7	\$23,471.80		
	<i>B. T. Aspen</i>		50.4	<i>MBF</i>				
	<i>Quaking Aspen</i>		15.6	<i>MBF</i>				
	Red Maple		8.8	MBF				
	Red Pine		9.3	MBF				
	White Pine		1.6	MBF				
	White Spruce		1.5	MBF				
	Balsam Fir		Pulpwood	66			Cords	
	<i>Balsam Fir</i>			<i>Sawtimber</i>			0.6	<i>MBF</i>
	<i>Balsam Fir</i>			<i>Pulpwood</i>			65	<i>Cords</i>
	Mixed Aspen			443			Cords	
	<i>B. T. Aspen</i>			243			<i>Cords</i>	
	<i>Quaking Aspen</i>		200	<i>Cords</i>				
	Mixed Hardwood		156	Cords				
	<i>Black Cherry</i>		11	<i>Cords</i>				
	<i>Red Maple</i>	145	<i>Cords</i>					
	Mixed Spruce	5	Cords					
	<i>White Spruce</i>	5	<i>Cords</i>					
	Red Pine	9	Cords					
	White Pine	11	Cords					
4	Mixed Aspen	Sawtimber	2.0	MBF	1.9	\$1,970.65		
	<i>B. T. Aspen</i>		2.0	<i>MBF</i>				
	Red Pine		7.2	MBF				
	Mixed Aspen		Pulpwood	12			Cords	
	<i>B. T. Aspen</i>			9			<i>Cords</i>	
	<i>Quaking Aspen</i>			3			<i>Cords</i>	
	Mixed Hardwood			5			Cords	
	<i>Paper Birch</i>		3	<i>Cords</i>				
<i>Red Maple</i>	2	<i>Cords</i>						

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU), CON'T

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE			
4 con't	Red Pine	Pulpwood	12	Cords					
5	Mixed Aspen	Sawtimber	0.5	MBF	1.0	\$1,538.10			
	<i>B. T. Aspen</i>		0.5	<i>MBF</i>					
	Red Pine		6.9	MBF					
	Mixed Aspen	Pulpwood	3	Cords					
	<i>B. T. Aspen</i>		3	<i>Cords</i>					
	Mixed Hardwood		1	Cords					
	<i>Red Maple</i>		1	<i>Cords</i>					
	Red Pine		13	Cords					
6	Mixed Aspen	Sawtimber	11.9	MBF	21.8	\$11,170.00			
	<i>B. T. Aspen</i>		7.0	<i>MBF</i>					
	<i>Quaking Aspen</i>		4.9	<i>MBF</i>					
	Red Maple		5.2	MBF					
	Red Pine		9.4	MBF					
	White Pine		7.9	MBF					
	White Spruce		7.7	MBF					
	Balsam Fir		Pulpwood	18			Cords		
	<i>Balsam Fir</i>			18			<i>Cords</i>		
	Mixed Aspen			184			Cords		
	<i>B. T. Aspen</i>		41	<i>Cords</i>					
	<i>Balsam Poplar</i>		4	<i>Cords</i>					
	<i>Quaking Aspen</i>		139	<i>Cords</i>					
	Mixed Hardwood		101	Cords					
	<i>Black Cherry</i>		<i>Sawtimber</i>	0.5			<i>MBF</i>		
	<i>Paper Birch</i>	0.4		<i>MBF</i>					
	<i>Black Cherry</i>	<i>Pulpwood</i>		21			<i>Cords</i>		
	<i>Paper Birch</i>		1	<i>Cords</i>					
	<i>Red Maple</i>		77	<i>Cords</i>					
	Mixed Spruce	53	Cords						
	<i>Black Spruce</i>	<i>Sawtimber</i>	0.3	<i>MBF</i>					
	<i>Black Spruce</i>		<i>Pulpwood</i>	11			<i>Cords</i>		
	<i>White Spruce</i>			41			<i>Cords</i>		
	Red Pine	7		Cords					
	White Pine	8	Cords						
	7	Mixed Aspen	Sawtimber	1.0			MBF	1.0	\$1,023.50
		<i>B. T. Aspen</i>		1.0			<i>MBF</i>		
		Red Pine	3.8	MBF					
		Mixed Aspen	Pulpwood	7			Cords		
		<i>B. T. Aspen</i>		5			<i>Cords</i>		
<i>Quaking Aspen</i>		2		<i>Cords</i>					
Mixed Hardwood		2		Cords					
<i>Paper Birch</i>		1		<i>Cords</i>					
<i>Red Maple</i>		1		<i>Cords</i>					
Red Pine		6		Cords					
8	Mixed Aspen	Sawtimber		5.8	MBF	16.5	\$12,306.85		
	<i>B. T. Aspen</i>		2.5	<i>MBF</i>					
	<i>Quaking Aspen</i>		3.3	<i>MBF</i>					
	Red Maple		1.9	MBF					
	Red Pine		23.8	MBF					
	White Pine		35.8	MBF					
	White Spruce	3.6	MBF						
	Balsam Fir	Pulpwood	6	Cords					
	<i>Balsam Fir</i>		<i>Sawtimber</i>	0.8	<i>MBF</i>				
	<i>Balsam Fir</i>			<i>Pulpwood</i>	4			<i>Cords</i>	
	Mixed Aspen		124		Cords				
	<i>B. T. Aspen</i>		27	<i>Cords</i>					

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU), CON'T

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
8 con't	<i>Balsam Poplar</i>	<i>Pulpwood</i>	3	<i>Cords</i>		
	<i>Quaking Aspen</i>		94	<i>Cords</i>		
	Mixed Hardwood		28	<i>Cords</i>		
	<i>Paper Birch</i>	<i>Sawtimber</i>	0.9	<i>MBF</i>		
	<i>Black Cherry</i>	<i>Pulpwood</i>	3	<i>Cords</i>		
	<i>Paper Birch</i>		13	<i>Cords</i>		
	<i>Red Maple</i>		10	<i>Cords</i>		
	Mixed Spruce		26	<i>Cords</i>		
	<i>Black Spruce</i>	<i>Sawtimber</i>	0.1	<i>MBF</i>		
	<i>Black Spruce</i>	<i>Pulpwood</i>	6	<i>Cords</i>		
	<i>White Spruce</i>		20	<i>Cords</i>		
	Red Pine		16	<i>Cords</i>		
	White Pine		55	<i>Cords</i>		
TOTAL:			280.1	MBF		
TOTAL:			1,730	Cords		

Sale Specific Conditions & Requirements

Sale Name: Graham's Long Mile Mix

Sale Number: 54-022-21 Seq#: 2

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by red and yellow paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. Retention patches are marked with red paint; no harvesting activities may occur within these areas. The painted boundary line trees are not Included Timber and are to be protected. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

2 - Timber Specifications

2.1 - Included Timber

2.1.1 - Clearcut unit(s) with unmerchantable trees (6/14)

Within Payment Unit(s) 1, 3, 6, and 8, cut all trees that are two (2) inches or more at DBH except trees marked with green paint. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

2.1.3 - Cut tree marked unit(s) (12/08)

Within Payment Unit(s) 2, 4, 5, and 7, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

2.2 - Utilization

2.2.6 - Roundwood operation required (3/21)

The skidding of whole trees or tree segments with limbs attached is prohibited within Payment Unit(s) 2, 4, 5, and 7. All products must be produced as roundwood and forwarded to existing roads or landing areas in final product length. This restriction may be removed on a specific Payment Unit if approved by the Unit Manager or his/her representative.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) \$25,000 in value or greater may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Amendment. There will be only one division per Payment Unit.

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings.

Within Payment Units 1, 3, 6, and 8, if more than 25% of the spruce, pine, and/or oak tree seedlings or saplings (1/4" to 4.5" DBH) within a specified portion of the sale area are damaged, liquidated damages will be assessed at \$150 per acre for all acreage within that specified portion of the sale area that was damaged.

No damage is acceptable to undesignated live merchantable trees. Within the sale area, if more than 5% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber.

3.4.2 - Special Protection Trees (4/14)

The Purchaser shall not cut live or dead special protection trees within cutting units or clearings. Special protection trees are marked with green paint. If the Purchaser's operations have cut or damaged special protection trees through carelessness,

the Purchaser shall pay \$200 as fixed, agreed and liquidated damages for each special protection tree cut or damaged. Such payment does not constitute ownership of the undesignated timber.

4 - Transportation

4.1 - Construction

4.1.3 - Slash and earthen piles (8/04)

Piles or windrows of earth along roads and landings that have been widened or constructed shall be leveled. Slash from road maintenance or construction, including stumps, shall be dispersed throughout the sale.

4.1.6 - Road construction (1/09)

Improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be scattered, and not left in windrows and kept a minimum of 10 feet back from the road edge. Stumps shall be set upright, not left on edge, and be moved at least 10 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

4.1.7 - Road closure (10/11)

The Main Forest Road within the sale area must be blocked to vehicle traffic upon completion of the sale at the location specified on the timber sale map. This forest road must be blocked to vehicle traffic within 30 days of completion of hauling. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. All stumps from road widening and landing construction must be reserved to block this Main Forest Road upon completion of the sale. A temporary berm is required if no sale activity occurs for 30 or more consecutive days. Contact the sale administrator for specific details of design and placement.

4.1.12 - No new roads (1/12)

No new roads will be permitted in any Payment Unit. All operations are limited to existing roads. Skid trails only will be allowed.

4.2 - Maintenance

4.2.5 - Two wheel drive condition (2/04)

All existing trail roads on and adjacent to the sale area must be passable by two-wheel drive traffic for the duration of the sale.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/16)

A pre-sale conference on site between the Purchaser and sale administrator is required prior to beginning any operations in a Payment Unit to determine landing and road locations. The Unit Manager or his/her representative must be contacted at least 5 days in advance to schedule the conference.

5.1.4 - Post-sale conference (10/16)

A post-sale conference on site between the Purchaser and sale administrator is required 5 days prior to the completion of active logging operations to determine clean-up and repair of landings, road edges, and the fulfillment of other contract specifications.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.10 - No slash in openings (5/10)

No brush or logging debris is to be left in the wildlife openings which are indicated by G0 on the Timber Sale Map. Any damage to the opening shall be repaired according to specifications of the Unit Manager or his/her representative.

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

Obvious hollow and/or den trees shall be protected and left standing unless they are a safety hazard.

5.2.3 - Operating Restrictions

5.2.3.6 - Bark beetle restriction (12/08)

In the event drought creates a high risk of pine bark beetle infestation, pine is not to be cut during the period March 1 through July 1, unless all portions of trees greater than two inches in diameter are removed from the sale area, reduced to chips, or treated to the satisfaction of the Unit Manager or his/her representative, within fifteen days of being severed from the stump. Pine log decks, pulpwood piles and treetops that are piled for chipping in the fall or winter within a 1/4 mile of susceptible sites must be removed before March 15. Residual slash must not be placed in piles or rows and must be spread over the site for quick drying. The Department of Natural Resources will exercise this specification if the risk of damage warrants.

5.2.3.11 - Coppice regeneration protection (4/10)

Timber harvesting in any Payment Unit must be completed before significant tree sprouting occurs in that Payment Unit so as to minimize damage to the new regeneration. Any post harvest operations, such as chipping, must be completed before sprouting of regeneration occurs. If it is anticipated that chipping will be delayed, then tops shall be carried to one central location or left unchipped. The Unit Manager or his/her representative may cease such operations if sprouting occurs before the operation is complete.

5.2.4 - Dead and Down Creation

5.2.4.7 - Dead and down creation: hare, grouse, deer and other species (5/15)

To improve horizontal cover habitat for snowshoe hare, grouse, deer, and other species, the Purchaser is to push over all pink and/or purple ringed trees after all designated wood has been forwarded from a Payment Unit. These trees should be tipped over with the root ball still attached so the base of the tree is suspended off the ground. The crown of the fallen tree should be at or near ground level after it is pushed over.

5.2.17 - Timber Mats and Interlocking Composite Mats (10/20)

If logging trucks are to be driven through the broad based forested drainage area, as shown on the timber sale map, the forest road at this location will require extra protection such as that afforded by timber mats, interlocking composite mats, or another approved system. Approximately 64 feet of road or trail will need extra protection at the location shown on the Timber Sale Map. If available, mats may be borrowed from the DNR. A Timber Sale Contract Supplement will be used to document the Purchaser's use of the DNR's mats. Contact the sale administrator regarding availability and pick-up. Timber mats are available from various field offices. Composite mats are only available from the Grayling field office and the Marquette ICC. The Purchaser is responsible for picking up and hauling the mats to and from the site. The composite mats will require DNR staff onsite for installation and removal. Contact the sale administrator to schedule at least 30 days before desired install/removal date. All mats must be cleaned prior to drop off. This may include, but is not limited to, power washing and brushing to remove mud and debris. A charge of \$700.00 per timber mat and \$2,000.00 per composite mat will be assessed for all damaged or non-returned mats. Damage for the crane/timber mats is defined as three or more broken cants. Damage for the composite mats is defined as cracked or broken mats.

5.2.32 - Decking/landing restoration (9/13)

All decking and landing areas must have the surface area restored to a condition equal to or better than before. This is to ensure the proper regeneration of the stand. Wood debris, chips and "cookies" from trimmings must be removed or scattered away from landing and loading areas and may not be windrowed on the edge.

5.2.38 - No decking against live trees (2/04)

Cut products may not be decked against unmarked or designated leave trees.

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

5.8 - Protection of Endangered Species

5.8.3 - Red shoulder hawk or goshawk (2/16)

In the event that an active red shoulder hawk or goshawk nest is found, the contract may be amended to protect the nest site until the nest is determined to be inactive. The value of the trees in this excluded area will be refunded or credited to the Purchaser. The nest will be buffered with a five-chain radius (eight acre) protection area, centered on the nest tree, in which there will be no cutting or new roads constructed. Avoid human disturbance, including loading and skidding, in the protection area.

An additional zone of five chains (ten chains centered on the active nest tree) will be established in which there is no management activity from March 15 to July 15 (NLP). Limit biomass harvesting and chipping operations within this ten-chain zone, retain the maximum one-third of residues per the Woody Biomass Harvesting Guidelines (Michigan DNR 2010). Nests determined to be inactive will be protected with a one-chain no-harvest buffer.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on forest roads prior to beginning operations. The road must be posted at appropriate distances from the sale area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.



TIMBER SALE MAP

This information provided by authority of Part 525, 1994 PA 451, as amended.

Sale Number	Year
54-022	21

Forest Management Unit Atlamta	County Alpena	Mapped By D. Parris	Date 09/03/2021	Page 1	of 1
Township 32N	Range 06E	Section(s) and Subdivision(s) Sec 26 S1/2SW, Sec 34 NENE, Sec 35 NW, NE	Cruised By D. Parris	Scale 1:15,840	

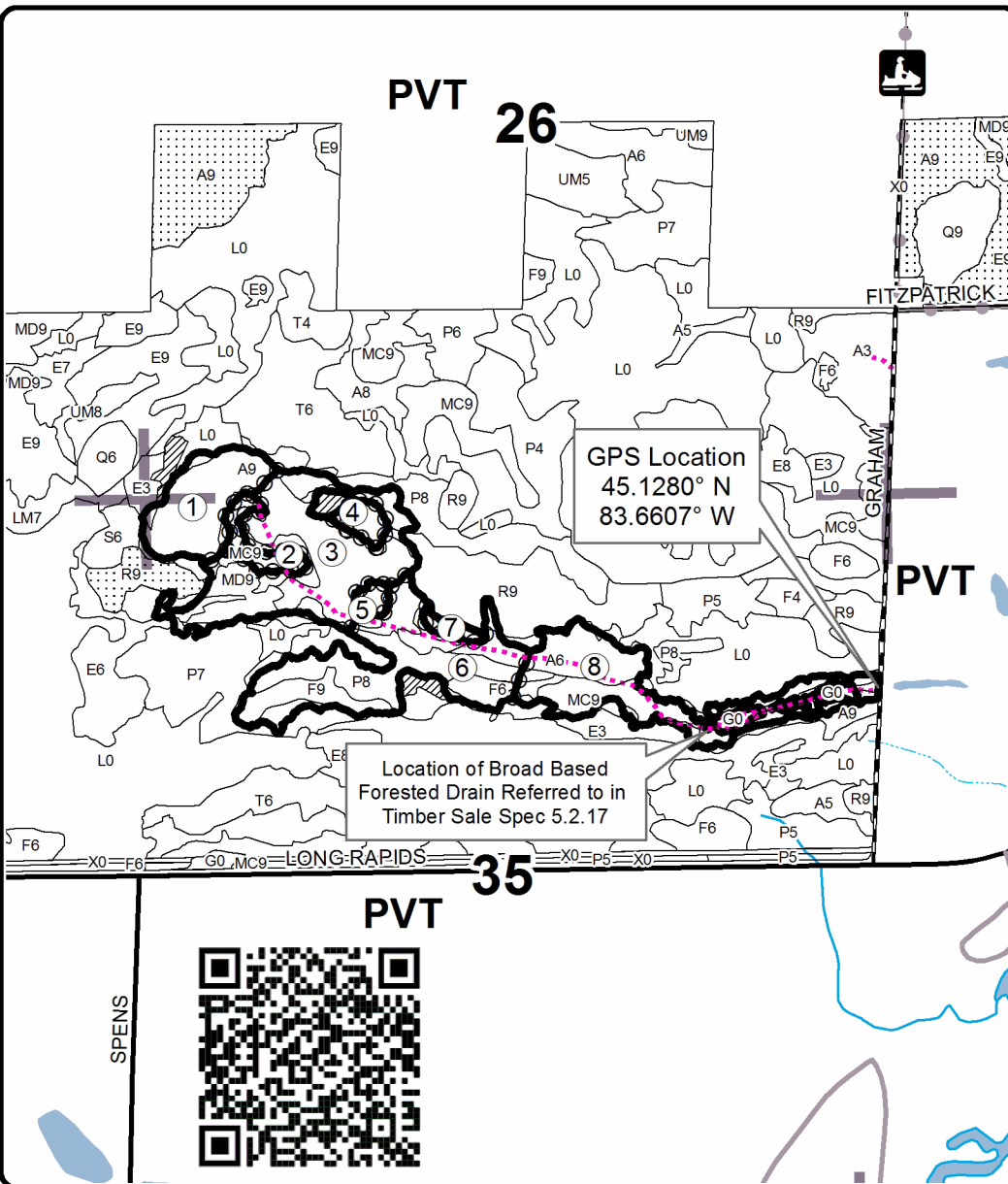
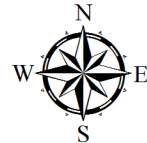
Cover Type				Density			
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium		
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well		
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	7 = Saw Timber Poor		
D = Treed Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine	3 = Seedling Sapling Well	8 = Saw Timber Medium		
E = Swamp Hdwoods	M = Mpl, Bch, Brch	R = Red Pine	X = Non Stocked	4 = Pole Timber Poor	9 = Saw Timber Well		
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water				
G = Grass	MD = Mixed Deciduous	T = Tamarack					

PU	Acres	PU	Acres
1	10.2	5	1.0
2	2.7	6	21.8
3	23.7	7	1.0
4	1.9	8	16.5

Graham's Long Mile Mix

Compartment 94

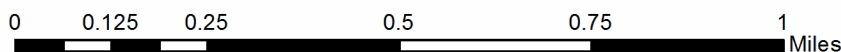
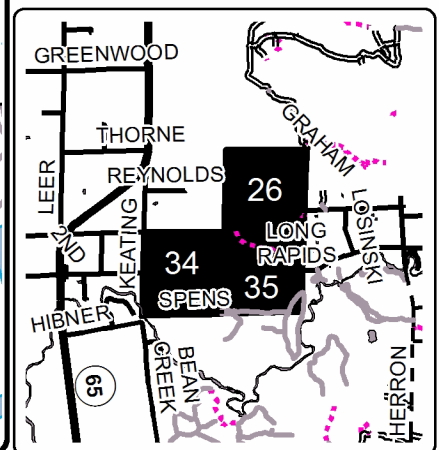
78.8 Acres



Legend

- Against State (Red)
- Payment Unit (Yellow)
- Stand Boundaries
- ▨ Retention Area
- ▤ Nearby Timber Sales
- Payment Unit
- Recreational Trail
- Paved Road
- - Gravel Road
- Private
- ⋯ Temporary Management Access
- ⋯ Intermittent Stream
- Perennial River
- Lakes and Rivers
- Section Corners

Locator Map
1:150,000



TIMBER SALE INFORMATION

C108 Land O Giant Aspen D Mix (54-023-21)
 T32N, R05E, SEC. 27; T32N, R05E, SEC. 34.
 Alpena County (Advertised Price \$97,116.35)

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

A stream crossing permit is required. Refer to timber sale spec 4.1.2 for details.

Extensive roadwork is required. Refer to timber sale spec 4.1.8 for details.

Permission for access across private land is the responsibility of the Purchaser. Refer to timber sale spec 4.4.1 for details.

Contact DNR Forester Dale Parris at (989) 590-1204 for additional sale information related to the above noted sale specs.

Access may be through private or other public land.

A timber sale contract for this lump sum, sealed bid timber sale will be awarded to the responsible bidder offering the highest sealed bid price. All units of volume listed below were estimated using the Inventory Manager computer program and the new Michigan taper model. Bids must be at or above the following advertised price for each product and species:

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Basswood	70.8 MBF	\$ 44.00 / MBF
Mixed Aspen	165.5 MBF	\$ 73.00 / MBF
Mixed Spruce	20.5 MBF	\$ 27.00 / MBF
Red Maple	147.9 MBF	\$ 47.00 / MBF
Red Pine	9.0 MBF	\$ 101.00 / MBF
Pulpwood		
Balsam Fir	62 Cords	\$ 13.30 / Cord
Basswood	88 Cords	\$ 9.75 / Cord
Jack Pine	4 Cords	\$ 9.05 / Cord
Mixed Aspen	3,031 Cords	\$ 19.90 / Cord
Mixed Hardwood	546 Cords	\$ 17.55 / Cord
Mixed Spruce	91 Cords	\$ 6.70 / Cord
Paper Birch	111 Cords	\$ 8.45 / Cord
Red Pine	8 Cords	\$ 34.65 / Cord
Tamarack	15 Cords	\$ 4.20 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 5.08 percent. There are an estimated 4,606 cords on this timber sale, plus or minus 234 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$4,856.00 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
2. Cutting in any sale or unit without the required advance payment would be considered a trespass.
3. Total payment must be paid in advance or according to the following schedule :
 - (a) Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
 - (b) The 10% down payment will be credited towards the first unit cut.
 - (c) Payment for each of the following units must be made before cutting begins in that unit:

PAYMENT UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	17.4%
02	15.2%
03	18.3%
04	11.8%
05	12.1%
06	13.4%
07	4.0%
08	7.8%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2025.

SALE STATISTICS

Volumes were calculated in cubic feet using the Michigan taper model. Cubic foot volume includes all wood inside bark for the product indicated. For display purposes, cubic feet were converted to cords and MBF using a simple conversion factor, e.g. 79 cubic feet per cord and 185 cubic feet per MBF. The cubic foot volumes are precise; the cords and MBF volumes are not. Cubic foot volume cannot be directly converted to cords or boards with precision.

SALE VOLUMES

The total estimated sale volume may not equal the sum of the species/products due to the nature of statistical calculations associated with double sampling methodology.

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
363,895	4,606	5.08%	4,372	4,841

VDU VOLUMES

A VDU is a Volume Determination Unit. Volumes and their associated statistics are calculated at the VDU level and summarized to the sale level. There is often a one to one relationship between a VDU and a Payment Unit, but not always, depending on the cruise design. Refer to the VDU TO PAYMENT UNIT table.

VDU	VOLUME			RANGE IN CORDS	
	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
11	92,698	1,173	9.45%	1,063	1,284
12	174,216	2,205	7.07%	2,049	2,361
34	17,795	225	14.41%	193	258
57	15,652	198	19.43%	160	237
59	13,835	175	14.50%	150	201
114	14,984	190	24.72%	143	237
115	34,715	439	25.95%	325	553
TOTAL:	363,895	4,606		4,082	5,130

VDU TO PAYMENT UNIT

When a VDU is associated with more than one Payment Unit (PU), the VDU volumes are assigned to the PU based on acres of the VDU within the PU.

VDU	VDU ACRES	PU	PU ACRES
11	34.0	5	16.1
		6	17.9
12	67.5	1	23.1
		2	20.3
		3	23.4
		4	0.7
34	8.5	8	8.5
57	7.2	7	7.2
59	5.4	8	5.4
114	4.2	4	4.2
115	15.4	3	1.3
		4	14.1
TOTAL:	142.2		142.2

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Basswood	Sawtimber	3.0	MBF	23.1	\$16,856.85
	Mixed Aspen		36.7	MBF		
	<i>Quaking Aspen</i>		36.7	<i>MBF</i>		
	Mixed Spruce		0.5	MBF		
	<i>White Spruce</i>		0.5	<i>MBF</i>		
	Red Maple		15.8	MBF		
	Balsam Fir	Pulpwood	12	Cords		
	<i>Balsam Fir</i>	<i>Sawtimber</i>	3.4	<i>MBF</i>		
	<i>Balsam Fir</i>	<i>Pulpwood</i>	5	<i>Cords</i>		
	Basswood		4	Cords		
	Mixed Aspen		599	Cords		
	<i>Balsam Poplar</i>		10	<i>Cords</i>		
	<i>Quaking Aspen</i>		589	<i>Cords</i>		
	Mixed Hardwood		55	Cords		
	<i>Red Maple</i>		54	<i>Cords</i>		
	<i>White Ash</i>		1	<i>Cords</i>		
	Mixed Spruce		8	Cords		
	<i>White Spruce</i>		8	<i>Cords</i>		
	Paper Birch		18	Cords		
	<i>Paper Birch</i>		18	<i>Cords</i>		
2	Basswood	Sawtimber	2.6	MBF	20.3	\$14,803.00
	Mixed Aspen		32.3	MBF		
	<i>Quaking Aspen</i>		32.3	<i>MBF</i>		
	Mixed Spruce		0.5	MBF		
	<i>White Spruce</i>		0.5	<i>MBF</i>		
	Red Maple		13.9	MBF		
	Balsam Fir	Pulpwood	10	Cords		
	<i>Balsam Fir</i>	<i>Sawtimber</i>	3.0	<i>MBF</i>		
	<i>Balsam Fir</i>	<i>Pulpwood</i>	4	<i>Cords</i>		
	Basswood		4	Cords		
	Mixed Aspen		526	Cords		
	<i>Balsam Poplar</i>		8	<i>Cords</i>		
	<i>Quaking Aspen</i>		518	<i>Cords</i>		
	Mixed Hardwood		48	Cords		
	<i>Red Maple</i>		47	<i>Cords</i>		
	<i>White Ash</i>		1	<i>Cords</i>		
	Mixed Spruce		7	Cords		
	<i>White Spruce</i>		7	<i>Cords</i>		
	Paper Birch		16	Cords		
	<i>Paper Birch</i>		16	<i>Cords</i>		
3	Basswood	Sawtimber	7.7	MBF	24.7	\$17,713.70
	Mixed Aspen		37.2	MBF		
	<i>Quaking Aspen</i>		37.2	<i>MBF</i>		
	Mixed Spruce		0.8	MBF		
	<i>White Spruce</i>		0.8	<i>MBF</i>		
	Red Maple		19.1	MBF		
	Balsam Fir	Pulpwood	13	Cords		
	<i>Balsam Fir</i>	<i>Sawtimber</i>	3.5	<i>MBF</i>		
	<i>Balsam Fir</i>	<i>Pulpwood</i>	6	<i>Cords</i>		
	Basswood		10	Cords		
	Mixed Aspen		611	Cords		
	<i>Balsam Poplar</i>		11	<i>Cords</i>		
	<i>Quaking Aspen</i>		600	<i>Cords</i>		
	Mixed Hardwood		62	Cords		
	<i>Red Maple</i>		61	<i>Cords</i>		
	<i>White Ash</i>		1	<i>Cords</i>		

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU), CON'T

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE		
3 con't	Mixed Spruce	Pulpwood	8	Cords				
	<i>White Spruce</i>		8	<i>Cords</i>				
	Paper Birch		20	Cords				
	<i>Paper Birch</i>		20	<i>Cords</i>				
4	Basswood	Sawtimber	57.5	MBF	19.0	\$11,452.00		
	Mixed Aspen		6.3	MBF				
	<i>Quaking Aspen</i>		6.3	<i>MBF</i>				
	Mixed Spruce		2.8	MBF				
	<i>White Spruce</i>		2.8	<i>MBF</i>				
	Red Maple		51.9	MBF				
	Balsam Fir		Pulpwood	12			Cords	
	<i>Balsam Fir</i>			<i>Sawtimber</i>			1.1	<i>MBF</i>
	<i>Balsam Fir</i>			<i>Pulpwood</i>			10	<i>Cords</i>
	Basswood			70			Cords	
	Mixed Aspen	155		Cords				
	<i>Balsam Poplar</i>	10		<i>Cords</i>				
	<i>Quaking Aspen</i>	145		<i>Cords</i>				
	Mixed Hardwood	111		Cords				
	<i>Red Maple</i>	111		<i>Cords</i>				
	Mixed Spruce	2		Cords				
	<i>White Spruce</i>	2		<i>Cords</i>				
	Paper Birch	7		Cords				
	<i>Paper Birch</i>	7		<i>Cords</i>				
	5	Mixed Aspen	Sawtimber	12.9			MBF	16.1
<i>Quaking Aspen</i>		12.9		<i>MBF</i>				
Red Maple		15.9		MBF				
Balsam Fir		Pulpwood	5	Cords				
<i>Balsam Fir</i>			5	<i>Cords</i>				
Mixed Aspen			446	Cords				
<i>Balsam Poplar</i>			20	<i>Cords</i>				
<i>Quaking Aspen</i>			426	<i>Cords</i>				
Mixed Hardwood			52	Cords				
<i>Ironwood</i>			1	<i>Cords</i>				
<i>Red Maple</i>			51	<i>Cords</i>				
Mixed Spruce			9	Cords				
<i>White Spruce</i>			9	<i>Cords</i>				
Paper Birch			17	Cords				
<i>Paper Birch</i>	17	<i>Cords</i>						
6	Mixed Aspen	Sawtimber	14.4	MBF	17.9	\$13,061.25		
	<i>Quaking Aspen</i>		14.4	<i>MBF</i>				
	Red Maple		17.7	MBF				
	Balsam Fir	Pulpwood	6	Cords				
	<i>Balsam Fir</i>		6	<i>Cords</i>				
	Mixed Aspen		495	Cords				
	<i>Balsam Poplar</i>		22	<i>Cords</i>				
	<i>Quaking Aspen</i>		473	<i>Cords</i>				
	Mixed Hardwood		59	Cords				
	<i>Ironwood</i>		2	<i>Cords</i>				
	<i>Red Maple</i>		57	<i>Cords</i>				
	Mixed Spruce		9	Cords				
	<i>White Spruce</i>		9	<i>Cords</i>				
	Paper Birch		18	Cords				
<i>Paper Birch</i>	18	<i>Cords</i>						
7	Mixed Aspen	Sawtimber	7.5	MBF	7.2	\$3,883.85		
	<i>Quaking Aspen</i>		7.5	<i>MBF</i>				
	Red Maple		7.2	MBF				

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU), CON'T

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE	
7 con't	Balsam Fir	Pulpwood	4	Cords			
	<i>Balsam Fir</i>		4	<i>Cords</i>			
	Mixed Aspen		91	Cords			
	<i>Balsam Poplar</i>		19	<i>Cords</i>			
	<i>Quaking Aspen</i>		72	<i>Cords</i>			
	Mixed Hardwood		58	Cords			
	<i>Black Cherry</i>		4	<i>Cords</i>			
	<i>Red Maple</i>		54	<i>Cords</i>			
	Mixed Spruce		11	Cords			
	<i>White Spruce</i>		11	<i>Cords</i>			
	Paper Birch		5	Cords			
	<i>Paper Birch</i>		5	<i>Cords</i>			
8	Mixed Aspen	Sawtimber	18.2	MBF	13.9	\$7,598.25	
	<i>B. T. Aspen</i>		5.4	<i>MBF</i>			
	<i>Quaking Aspen</i>		12.8	<i>MBF</i>			
	Mixed Spruce		15.9	MBF			
	<i>Black Spruce</i>		2.8	<i>MBF</i>			
	<i>White Spruce</i>		13.1	<i>MBF</i>			
	Red Maple		6.4	MBF			
	Red Pine		9.0	MBF			
	Jack Pine		Pulpwood	4			Cords
	Mixed Aspen			108			Cords
	<i>B. T. Aspen</i>			28			<i>Cords</i>
	<i>Quaking Aspen</i>			80			<i>Cords</i>
	Mixed Hardwood			101			Cords
	<i>B1/R/Hybrid Oak</i>			1			<i>Cords</i>
	<i>Black Cherry</i>	2		<i>Cords</i>			
	<i>Red Maple</i>	98		<i>Cords</i>			
	Mixed Spruce	37		Cords			
	<i>Black Spruce</i>	27		<i>Cords</i>			
	<i>White Spruce</i>	10		<i>Cords</i>			
	Paper Birch	10		Cords			
	<i>Paper Birch</i>	<i>Sawtimber</i>		1.8	<i>MBF</i>		
	<i>Paper Birch</i>	<i>Pulpwood</i>		6	<i>Cords</i>		
	Red Pine	8	Cords				
	Tamarack	15	Cords				
	<i>Tamarack</i>	<i>Sawtimber</i>	1.9	<i>MBF</i>			
	<i>Tamarack</i>	<i>Pulpwood</i>	11	<i>Cords</i>			
	TOTAL:			413.7	MBF		
	TOTAL:			3,956	Cords		

Sale Specific Conditions & Requirements

Sale Name: C108 Land O Giant Aspen D Mix

Sale Number: 54-023-21 Seq#: 2

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by blue, red, and yellow paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. Retention patches are marked with red paint; no harvesting activities may occur within these areas. The painted boundary line trees are not Included Timber and are to be protected. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

2 - Timber Specifications

2.1 - Included Timber

2.1.1 - Clearcut unit(s) with unmerchantable trees (6/14)

Within Payment Unit(s) 1-8, cut all trees that are two (2) inches or more at DBH, except do not cut any cedar or elm.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) \$25,000 in value or greater may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Amendment. There will be only one division per Payment Unit.

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings. Within Payment Units 1-8, if more than 25% of the spruce and/or pine seedlings or saplings (1/4" to 4.5" DBH) within a specified portion of the Sale Area are damaged, liquidated damages will be assessed at \$150 per acre for all acreage within that specified portion of the Sale Area that was damaged.

3.4.2 - Special Protection Trees (4/14)

The Purchaser shall not cut live or dead special protection trees within cutting units or clearings. Special protection trees are green ringed trees in Payment Unit 1. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$200 as fixed, agreed and liquidated damages for each special protection tree cut or damaged. Such payment does not constitute ownership of the undesignated timber.

4 - Transportation

4.1 - Construction

4.1.2 - Stream crossings, specific (3/11)

A temporary bridge will be required for the forwarding of wood across a stream within Payment Unit 4. A Department of Environment, Great Lakes, and Energy (EGLE) permit will be required for the placement of the temporary bridge and subsequent forwarding of wood. Any forest product transported over the temporary bridge will be in roundwood form. The location of the stream crossing is identified on the Timber Sale Map. All stream crossing structures must be installed according to EGLE permit requirements/DNR specifications, must be temporary, and must be removed upon completion of the sale. If approved by EGLE permit, this bridge can be constructed with timber mats borrowed from the DNR, if available.

4.1.3 - Slash and earthen piles (8/04)

Piles or windrows of earth along roads and landings that have been widened or constructed shall be leveled. Slash from road

maintenance or construction, including stumps, shall be dispersed throughout the sale.

4.1.6 - Road construction (1/09)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be scattered, and not left in windrows and kept a minimum of 10 feet back from the road edge. Stumps shall be set upright, not left on edge, and be moved at least 10 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

4.1.7 - Road closure (10/11)

All new roads built into the sale must be blocked to vehicle traffic within 30 days of completion of hauling from the related Payment Units. Overgrown roads that are reopened shall be considered new roads. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. These roads must be rendered impassable to cars and trucks. All stumps from road building and landing construction must be reserved to block any newly constructed roads upon completion of the sale. Temporary berms may be required if no sale activity occurs for 30 or more consecutive days. Contact the sale administrator for specific details of design and placement.

4.1.8 - Road work (1) (8/07)

The following road work is required for accessing Payment Units 1-6 through state land from the south: Forest Road north of the point identified as "South End of New Forest Road" on the Timber Sale Map will be considered New Forest Road. New Forest Road north of this point will require work and/or fill material adequate for logging trucks to haul timber from the landing. All fill material must be approved by the Unit Manger or sale administrator. Contact DNR Forester Dale Parris at (989) 590-1204 for any additional information.

4.2 - Maintenance

4.2.5 - Two wheel drive condition (2/04)

All existing trail roads on and adjacent to the sale area must be passable by two-wheel drive traffic for the duration of the sale.

4.4 - Access

4.4.1 - Private property access (3/11)

Permission for access across private land is the responsibility of the Purchaser. Should the Purchaser desire to cross private land, a copy of the written permission from the private landowner will be required by the DNR. A copy of the written permission from the private landowner must be given to the Unit Manager within 30 days of the bid opening and prior to the beginning of operations. Contact DNR Forester Dale Parris at (989) 590-1204 for private landowner contact information.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/16)

A pre-sale conference on site between the Purchaser and sale administrator is required prior to beginning any operations within a Payment Unit to determine landing and road locations. The Unit Manager or his/her representative must be contacted at least 10 days in advance to schedule the conference.

5.1.4 - Post-sale conference (10/16)

A post-sale conference on site between the Purchaser and sale administrator is required 5 days prior to the completion of active logging operations to determine clean-up and repair of landings, road edges, and the fulfillment of other contract specifications.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.10 - No slash in openings (5/10)

No brush or logging debris is to be left in the wildlife opening which is indicated by G0 on the Timber Sale Map. Any damage to the opening shall be repaired according to specifications of the Unit Manager or his/her representative.

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

Obvious hollow and/or den trees shall be protected and left standing unless they are a safety hazard.

5.2.3 - Operating Restrictions

5.2.3.11 - Coppice regeneration protection (4/10)

Timber harvesting in any Payment Unit must be completed before significant tree sprouting occurs in that Payment Unit to minimize damage to the new regeneration. Any post-harvest operations, such as chipping, must be completed before sprouting of regeneration occurs. If it is anticipated that chipping will be delayed, then tops shall be carried to one central location or left unchipped. The Unit Manager or his/her representative may cease such operations if sprouting occurs before the operation is complete.

5.2.4 - Dead and Down Creation

5.2.4.7 - Dead and down creation: hare, grouse, deer and other species (5/15)

To improve horizontal cover habitat for snowshoe hare, grouse, deer, and other species, the Purchaser is to push over pink ringed trees. These trees should be tipped over with the root ball still attached so the base of the tree is suspended off the ground. The crown of the fallen tree should be at or near ground level after it is pushed over.

5.2.17 - Timber Mats and Interlocking Composite Mats (10/20)

Some roads or skid trails may require extra protection such as that afforded by timber mats, interlocking composite mats, or another approved system. Two of these areas are called out as "New Forest Road" and "forwarder drainage crossing" on the Timber Sale Map. If available, mats may be borrowed from the DNR. A Timber Sale Contract Supplement will be used to document the Purchaser's use of the DNR's mats. Contact the sale administrator regarding availability and pick-up. Timber mats are available from various field offices. Composite mats are only available from the Grayling field office and the Marquette ICC. The Purchaser is responsible for picking up and hauling the mats to and from the site. The composite mats will require DNR staff onsite for installation and removal. Contact the sale administrator to schedule at least 30 days before desired install/removal date. All mats must be cleaned prior to drop off. This may include, but is not limited to, power washing and brushing to remove mud and debris. A charge of \$700.00 per timber mat and \$2,000.00 per composite mat will be assessed for all damaged or non-returned mats. Damage for the crane/timber mats is defined as three or more broken cants. Damage for the composite mats is defined as cracked or broken mats.

5.2.22 - Operating Caution

5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 1-7, cutting, skidding, and hauling occur during dry summer or frozen winter conditions. The reason for the recommendation is due to the presence of poorly drained soils.

5.2.31 - Landing locations (9/13)

Landing areas are marked on the Timber Sale Map with the letter "L". Landings must be confined to these designated sites unless otherwise authorized by the Unit Manager or his/her representative.

5.2.32 - Decking/landing restoration (9/13)

All decking and landing areas must have the surface area restored to a condition equal to or better than before. This is to ensure the proper regeneration of the stand. Wood debris, chips, and "cookies" from trimmings must be removed or scattered away from landing and loading areas and may not be windrowed on the edge.

5.2.38 - No decking against live trees (2/04)

Cut products may not be decked against unmarked or designated leave trees.

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

5.4.3 - Erosion control (12/08)

Skid trails or haul roads may require erosion control structures or berms per direction of the Unit Manager or his/her representative.

5.4.6 - Wet area protection (5/10)

No harvesting operations, including skidding and felling, are to take place within the vernal pond areas or drainages. When harvesting occurs, there should be no disturbance to the vernal pond depression. All equipment, trees and tops should be kept out of this area. Within 100 feet of the pond, equipment should only be used when the soil is in a dry or frozen condition. Care must be taken by the Purchaser to identify and avoid operating in these areas of the timber sale.

5.5 - Protection of Improvements

5.5.3 - Protection of improvements detail (10/13)

The following are specific protection measures for this sale: Harvesting equipment shall be parked away from any body of water when not in use as a precaution to prevent contamination of water resources.

5.8 - Protection of Endangered Species

5.8.3 - Red shoulder hawk or goshawk (2/16)

In the event that an active red shoulder hawk or goshawk nest is found, the contract may be amended to protect the nest site until the nest is determined to be inactive. The value of the trees in this excluded area will be refunded or credited to the Purchaser. The nest will be buffered with a five-chain radius (eight acre) protection area, centered on the nest tree, in which there will be no cutting or new roads constructed. Avoid human disturbance, including loading and skidding, in the protection area.

An additional zone of five chains (ten chains centered on the active nest tree) will be established in which there is no management activity from March 15 to July 15 (NLP). Limit biomass harvesting and chipping operations within this ten-chain zone, retain the maximum one-third of residues per the Woody Biomass Harvesting Guidelines (Michigan DNR 2010). Nests determined to be inactive will be protected with a one-chain no-harvest buffer.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on forest roads prior to beginning operations. The road must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.



Sale Number	Year
54-023	21

TIMBER SALE MAP

This information provided by authority of Part 525, 1994 PA 451, as amended.

Forest Management Unit Atlanta	County Alpena	Mapped By D. Parris	Date 09/30/2021	Page 1	of 3
Township 32N	Range 05E	Section(s) and Subdivision(s) Sec 27 NW, W1/2NE, N1/2SW; Sec 34 W1/2SE	Scale 1:15,840		

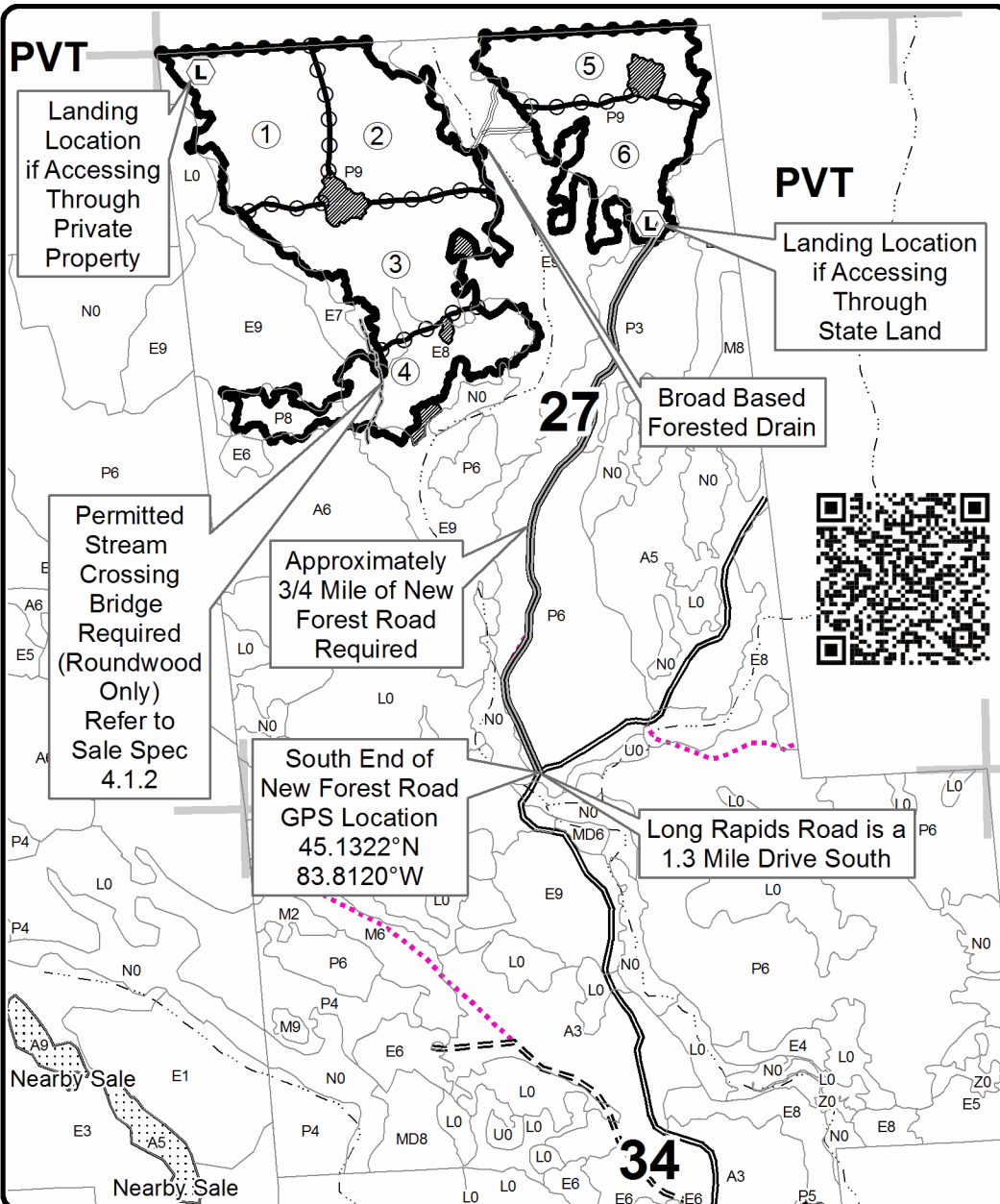
Cover Type				Density			
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium		
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well		
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	7 = Saw Timber Poor		
D = Treed Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine	3 = Seedling Sapling Well	8 = Saw Timber Medium		
E = Swamp Hdwoods	M = Mpl, Bch, Brch	R = Red Pine	X = Non Stocked	4 = Pole Timber Poor	9 = Saw Timber Well		
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water				
G = Grass	MD = Mixed Deciduous	T = Tamarack					

PU	Acres	PU	Acres
1	23.1	5	16.1
2	20.3	6	17.9
3	24.7	7	7.2
4	19.0	8	13.9

C108 Land O Giant Aspen D Mix

Compartment 108

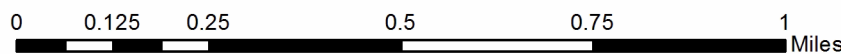
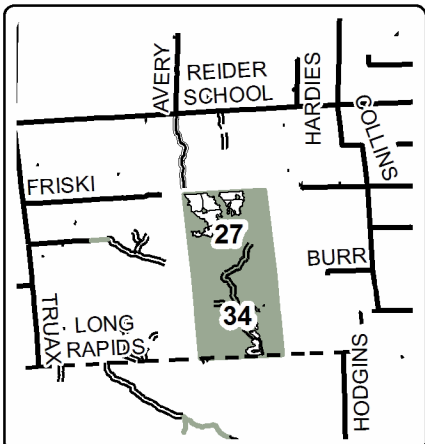
142.2 Acres



Legend

- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- Stand Boundaries
- ▨ Retention Area (Red)
- ⋯ Nearby Timber Sales
- Payment Unit
- Ⓛ Landing
- == New Road
- == Forwarding Route
- == Secondary Forest Road
- == Forest Access Route
- ⋯ Temporary Management Access
- Stream
- ⋯ Perennial River
- Section Corners

Locator Map
1:150,000





TIMBER SALE MAP

This information provided by authority of Part 525, 1994 PA 451, as amended.

Forest Management Unit Atlanta		County Alpena	Mapped By D. Parris	Date 09/30/2021	Page 2	of 3
Township 32N	Range 05E	Section(s) and Subdivision(s) Sec 27 NW, W1/2NE, N1/2SW; Sec 34 W1/2SE		Scale 1:7,920		

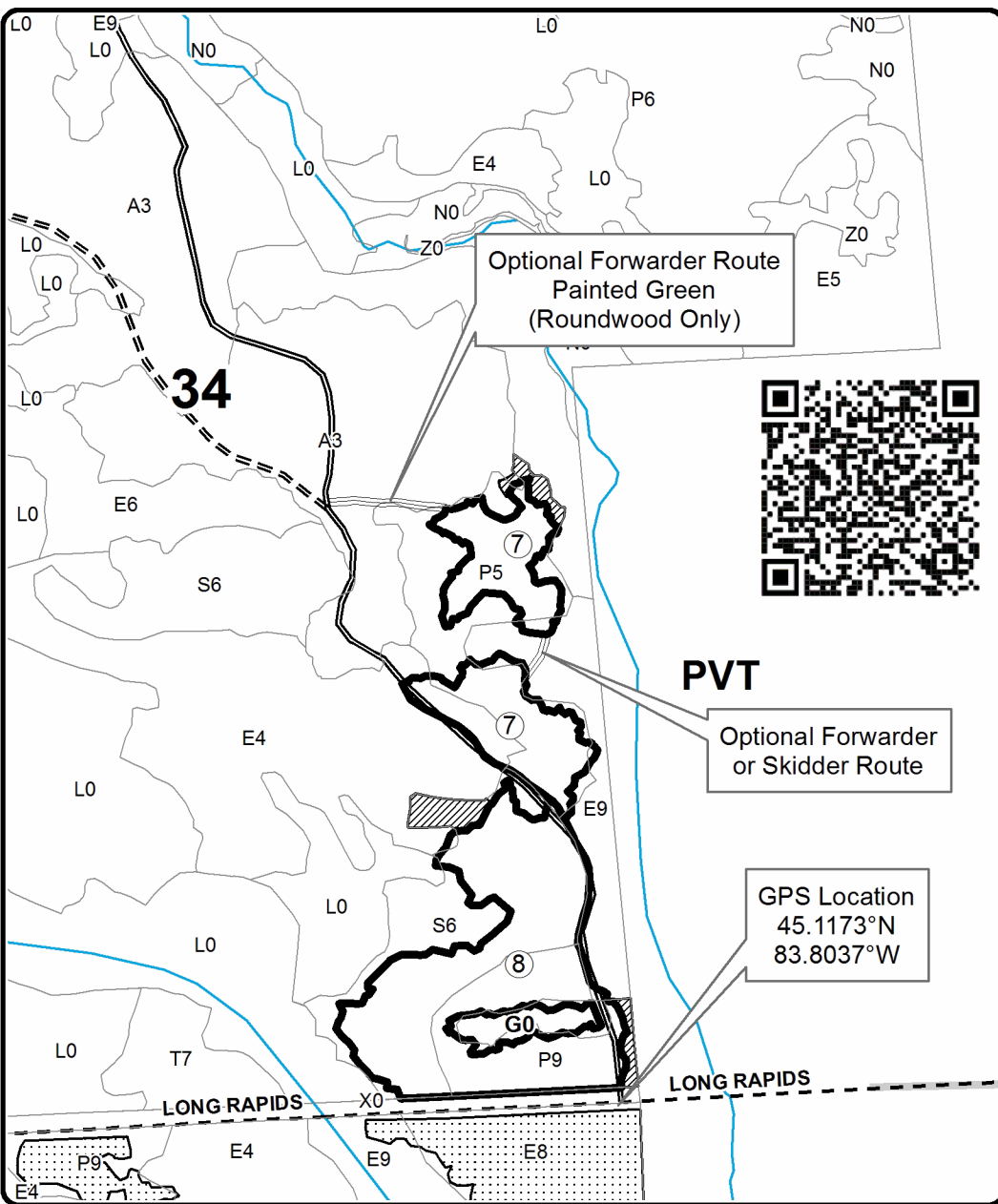
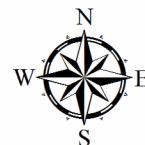
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G = Grass	MD = Mixed Deciduous	T = Tamarack					

PU	Acres	PU	Acres
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C108 Land O Giant Aspen D Mix

Compartment 108

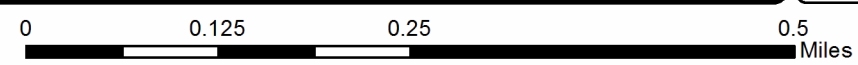
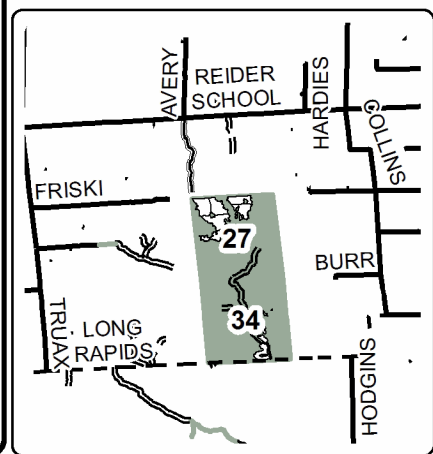
142.2 Acres



Legend

- Against State (Red)
- Retention Area (Red)
- Nearby Timber Sales
- Stand Boundaries
- Payment Unit
- Wood Forwarding Route
- Secondary Forest Road
- Forest Access Route
- Gravel Road
- Perennial River
- Section Corners

Locator Map 1:150,000





TIMBER SALE MAP

This information provided by authority of Part 525, 1994 PA 451, as amended.

Sale Number	Year
54-023	21

Forest Management Unit Atlanta	County Alpena	Mapped By D. Parris	Date 09/30/2021	Page 3	of 3
Township 32N	Range 05E	Section(s) and Subdivision(s) Sec 27 NW, W1/2NE, N1/2SW; Sec 34 W1/2SE	Scale 1:15,840		

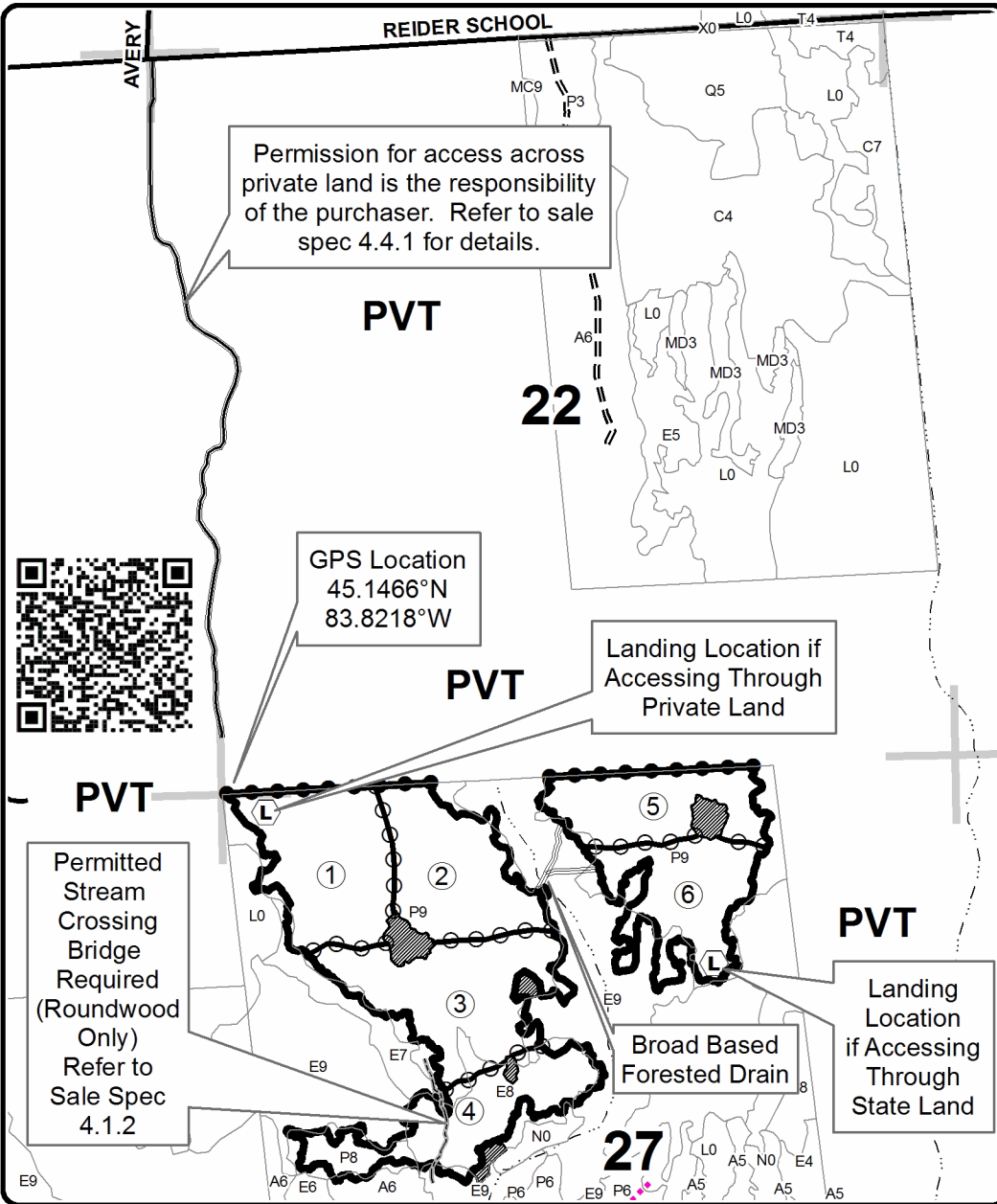
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C108 Land O Giant Aspen D Mix

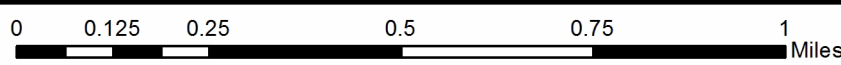
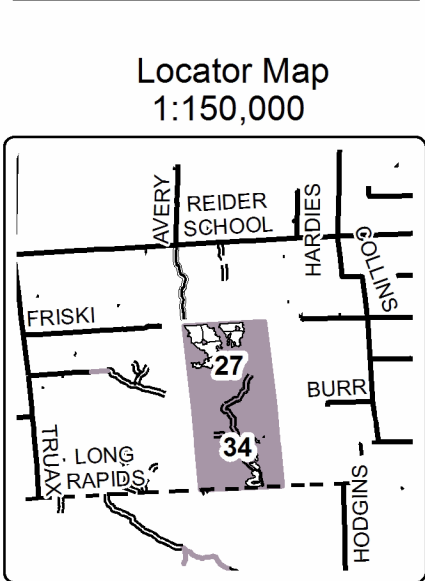
Compartment 108

142.2 Acres



Legend

- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- ▨ Retention Area (Red)
- Stand Boundaries
- Payment Unit
- Ⓛ Landing
- == Forwarding Route
- == Forest Access Route
- Paved Road
- Private Road Access
- Stream
- Perennial River
- Section Corners



TIMBER SALE INFORMATION

Buckthorn Deer Drive SBW Mix (54-033-21)
T31N, R05E, SEC. 13; T31N, R05E, SEC. 24.
Alpena County (Advertised Price \$44,758.55)

SALE NOTE: A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions.

A timber sale contract for this lump sum, sealed bid timber sale will be awarded to the responsible bidder offering the highest sealed bid price. All units of volume listed below were estimated using the Inventory Manager computer program and the new Michigan taper model. Bids must be at or above the following advertised price for each product and species:

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Basswood	12.6 MBF	\$ 54.00 / MBF
Mixed Aspen	72.5 MBF	\$ 89.00 / MBF
N. White Cedar	26.2 MBF	\$ 32.00 / MBF
Red Maple	69.4 MBF	\$ 57.00 / MBF
Red Oak	5.0 MBF	\$ 147.00 / MBF
Red Pine	2.3 MBF	\$ 123.00 / MBF
White Spruce	20.2 MBF	\$ 21.00 / MBF
Pulpwood		
Balsam Fir	244 Cords	\$ 16.25 / Cord
Mixed Aspen	496 Cords	\$ 24.30 / Cord
Mixed Hardwood	410 Cords	\$ 21.45 / Cord
Mixed Spruce	292 Cords	\$ 8.20 / Cord
N. White Cedar	204 Cords	\$ 15.75 / Cord
Paper Birch	48 Cords	\$ 10.30 / Cord
Red Oak	9 Cords	\$ 48.10 / Cord
Red Pine	1 Cords	\$ 42.35 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 4.58 percent. There are an estimated 2,440 cords on this timber sale, plus or minus 112 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$2,238.00 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
2. Cutting in any sale or unit without the required advance payment would be considered a trespass.
3. Total payment must be paid in advance or according to the following schedule :
 - (a) Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
 - (b) The 10% down payment will be credited towards the first unit cut.
 - (c) Payment for each of the following units must be made before cutting begins in that unit:

PAYMENT UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	16.7%
02	18.7%
03	28.5%
04	19.3%
05	16.8%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2024.

SALE STATISTICS

Volumes were calculated in cubic feet using the Michigan taper model. Cubic foot volume includes all wood inside bark for the product indicated. For display purposes, cubic feet were converted to cords and MBF using a simple conversion factor, e.g. 79 cubic feet per cord and 185 cubic feet per MBF. The cubic foot volumes are precise; the cords and MBF volumes are not. Cubic foot volume cannot be directly converted to cords or boards with precision.

SALE VOLUMES

The total estimated sale volume may not equal the sum of the species/products due to the nature of statistical calculations associated with double sampling methodology.

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
192,779	2,440	4.58%	2,328	2,552

VDU VOLUMES

A VDU is a Volume Determination Unit. Volumes and their associated statistics are calculated at the VDU level and summarized to the sale level. There is often a one to one relationship between a VDU and a Payment Unit, but not always, depending on the cruise design. Refer to the VDU TO PAYMENT UNIT table.

	VOLUME			RANGE IN CORDS	
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
18	162,940	2,063	5.16%	1,956	2,169
21	29,839	378	9.23%	343	413
TOTAL:	192,779	2,440		2,299	2,582

VDU TO PAYMENT UNIT

When a VDU is associated with more than one Payment Unit (PU), the VDU volumes are assigned to the PU based on acres of the VDU within the PU.

VDU	VDU ACRES	PU	PU ACRES
18	62.8	1	12.2
		2	13.7
		3	20.7
		4	14.2
		5	2.0
21	16.0	5	16.0
TOTAL:	78.8		78.8

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE			
1	Basswood	Sawtimber	1.3	MBF	12.2	\$7,492.35			
	Mixed Aspen		13.8	MBF					
	<i>Quaking Aspen</i>		13.8	<i>MBF</i>					
	N. White Cedar		3.9	MBF					
	Red Maple		9.9	MBF					
	Red Oak		1.0	MBF					
	Red Pine		0.4	MBF					
	White Spruce		2.2	MBF					
	Balsam Fir	Pulpwood	33	Cords					
	<i>Balsam Fir</i>	<i>Sawtimber</i>	0.2	<i>MBF</i>					
	<i>Balsam Fir</i>	<i>Pulpwood</i>	33	<i>Cords</i>					
	Mixed Aspen		87	Cords					
	<i>Balsam Poplar</i>		2	<i>Cords</i>					
	<i>Quaking Aspen</i>		85	<i>Cords</i>					
	Mixed Hardwood		68	Cords					
	<i>Basswood</i>		3	<i>Cords</i>					
	<i>Red Maple</i>		65	<i>Cords</i>					
	Mixed Spruce		51	Cords					
	<i>Black Spruce</i>		1	<i>Cords</i>					
	<i>White Spruce</i>		50	<i>Cords</i>					
	N. White Cedar		36	Cords					
	Paper Birch		7	Cords					
	<i>Paper Birch</i>	<i>Sawtimber</i>	0.2	<i>MBF</i>					
	<i>Paper Birch</i>	<i>Pulpwood</i>	7	<i>Cords</i>					
	Red Oak		2	Cords					
	2	Basswood	Sawtimber	1.4			MBF	13.7	\$8,379.80
		Mixed Aspen		15.5			MBF		
<i>Quaking Aspen</i>			15.5	<i>MBF</i>					
N. White Cedar			4.3	MBF					
Red Maple			11.1	MBF					
Red Oak			1.1	MBF					
Red Pine			0.5	MBF					
White Spruce			2.4	MBF					
Balsam Fir		Pulpwood	38	Cords					
<i>Balsam Fir</i>		<i>Sawtimber</i>	0.2	<i>MBF</i>					
<i>Balsam Fir</i>		<i>Pulpwood</i>	38	<i>Cords</i>					
Mixed Aspen			97	Cords					
<i>Balsam Poplar</i>			2	<i>Cords</i>					
<i>Quaking Aspen</i>			95	<i>Cords</i>					
Mixed Hardwood			76	Cords					
<i>Basswood</i>			3	<i>Cords</i>					
<i>Red Maple</i>			73	<i>Cords</i>					
Mixed Spruce			57	Cords					
<i>Black Spruce</i>			1	<i>Cords</i>					
<i>White Spruce</i>			56	<i>Cords</i>					
N. White Cedar			40	Cords					
Paper Birch			8	Cords					
<i>Paper Birch</i>		<i>Sawtimber</i>	0.2	<i>MBF</i>					
<i>Paper Birch</i>		<i>Pulpwood</i>	8	<i>Cords</i>					
Red Oak			2	Cords					
3		Basswood	Sawtimber	2.2	MBF	20.7	\$12,668.50		
		Mixed Aspen		23.4	MBF				
	<i>Quaking Aspen</i>		23.4	<i>MBF</i>					
	N. White Cedar		6.6	MBF					
	Red Maple		16.8	MBF					
	Red Oak		1.6	MBF					

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU), CON'T

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
3 con't	Red Pine	Sawtimber	0.8	MBF		
	White Spruce		3.7	MBF		
	Balsam Fir	Pulpwood	58	Cords		
	<i>Balsam Fir</i>	<i>Sawtimber</i>	0.5	<i>MBF</i>		
	<i>Balsam Fir</i>	<i>Pulpwood</i>	57	<i>Cords</i>		
	Mixed Aspen		146	Cords		
	<i>Balsam Poplar</i>		3	<i>Cords</i>		
	<i>Quaking Aspen</i>		143	<i>Cords</i>		
	Mixed Hardwood		113	Cords		
	<i>Basswood</i>		4	<i>Cords</i>		
	<i>Red Maple</i>		109	<i>Cords</i>		
	Mixed Spruce		85	Cords		
	<i>White Spruce</i>		85	<i>Cords</i>		
	N. White Cedar		60	Cords		
	Paper Birch		14	Cords		
	<i>Paper Birch</i>	<i>Sawtimber</i>	0.4	<i>MBF</i>		
	<i>Paper Birch</i>	<i>Pulpwood</i>	13	<i>Cords</i>		
	Red Oak		3	Cords		
Red Pine		1	Cords			
4	Basswood	Sawtimber	1.5	MBF	14.2	\$8,649.85
	Mixed Aspen		16.1	MBF		
	<i>Quaking Aspen</i>		16.1	<i>MBF</i>		
	N. White Cedar		4.5	MBF		
	Red Maple		11.5	MBF		
	Red Oak		1.1	MBF		
	Red Pine		0.5	MBF		
	White Spruce		2.5	MBF		
	Balsam Fir	Pulpwood	39	Cords		
	<i>Balsam Fir</i>	<i>Sawtimber</i>	0.2	<i>MBF</i>		
	<i>Balsam Fir</i>	<i>Pulpwood</i>	39	<i>Cords</i>		
	Mixed Aspen		100	Cords		
	<i>Balsam Poplar</i>		2	<i>Cords</i>		
	<i>Quaking Aspen</i>		98	<i>Cords</i>		
	Mixed Hardwood		78	Cords		
	<i>Basswood</i>		3	<i>Cords</i>		
	<i>Red Maple</i>		75	<i>Cords</i>		
	Mixed Spruce		59	Cords		
	<i>Black Spruce</i>		1	<i>Cords</i>		
	<i>White Spruce</i>		58	<i>Cords</i>		
	N. White Cedar		42	Cords		
	Paper Birch		8	Cords		
	<i>Paper Birch</i>	<i>Sawtimber</i>	0.2	<i>MBF</i>		
	<i>Paper Birch</i>	<i>Pulpwood</i>	8	<i>Cords</i>		
Red Oak		2	Cords			
5	Basswood	Sawtimber	6.2	MBF	18.0	\$7,541.50
	Mixed Aspen		3.7	MBF		
	<i>B. T. Aspen</i>		1.4	<i>MBF</i>		
	<i>Quaking Aspen</i>		2.3	<i>MBF</i>		
	N. White Cedar		6.9	MBF		
	Red Maple		20.1	MBF		
	Red Oak		0.2	MBF		
	Red Pine		0.1	MBF		
	White Spruce		9.4	MBF		
	Balsam Fir	Pulpwood	75	Cords		
	<i>Balsam Fir</i>		75	<i>Cords</i>		
	Mixed Aspen		66	Cords		

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU), CON'T

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
5 con't	<i>B. T. Aspen</i>	<i>Pulpwood</i>	2	<i>Cords</i>		
	<i>Quaking Aspen</i>		64	<i>Cords</i>		
	Mixed Hardwood		75	<i>Cords</i>		
	<i>Basswood</i>		18	<i>Cords</i>		
	<i>Red Maple</i>		57	<i>Cords</i>		
	Mixed Spruce		40	<i>Cords</i>		
	<i>White Spruce</i>		40	<i>Cords</i>		
	N. White Cedar		26	<i>Cords</i>		
	Paper Birch		10	<i>Cords</i>		
	<i>Paper Birch</i>		10	<i>Cords</i>		
TOTAL:			208.2	MBF		
TOTAL:			1,702	Cords		

Sale Specific Conditions & Requirements

Sale Name: Buckthorn Deer Drive SBW Mix

Sale Number: 54-033-21 Seq#: 2

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by red and yellow paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. Retention patches are marked with red paint; no harvesting activities may occur within these areas. The painted boundary line trees are not Included Timber and are to be protected. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

2 - Timber Specifications

2.1 - Included Timber

2.1.1 - Clearcut unit(s) with unmerchantable trees (6/14)

Within Payment Unit(s) 1-5, cut all trees that are two (2) inches or more at DBH except do not cut any white pine, swamp white oak, or hemlock. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

2.1.11 - Description of timber note (2/04)

Note that dead spruce and balsam fir (defined as loose bark and no live branches) may be cut throughout the sale area. If cut, it must be skidded and piled separately on the landing. The sale administrator will measure the dead spruce and fir. This wood cannot be hauled prior to scaling. The Purchaser will be invoiced at \$5.00 per cord and will have 30 days to pay from the date of the invoice.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) \$25,000 in value or greater may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Amendment. There will be only one division per Payment Unit.

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings.

Within the sale area, if more than 25% of the pine or oak seedlings or saplings (1/4" to 4.5" DBH) within a specified portion of the sale area are damaged, liquidated damages will be assessed at \$150 per acre for all acreage within that specified portion of the sale area that was damaged.

No damage is acceptable to undesignated live merchantable trees. Within the sale area, if more than 5% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber.

3.4.2 - Special Protection Trees (4/14)

The Purchaser shall not cut live or dead special protection trees within cutting units or clearings. Special protection trees are marked with green paint. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$200 as fixed, agreed and liquidated damages for each special protection tree cut or damaged. Such payment does not constitute ownership of the undesignated timber.

4 - Transportation

4.1 - Construction

4.1.3 - Slash and earthen piles (8/04)

Piles or windrows of earth along roads and landings that have been widened or constructed shall be leveled. Slash from road maintenance or construction, including stumps, shall be dispersed throughout the sale, chipped, utilized or otherwise removed from the sale.

4.1.5 - Culverts (5/14)

The forest road from the west end of Eagling Road south to the Alpena to Hillman Connector Trail may require the installation of culverts for cross drainage or at natural drainage-ways. If culverts are needed in these locations, their placement will be specified by the sale administrator and they shall be installed prior to hauling. The culverts shall be new, corrugated metal or plastic gauge. Culvert placement will follow the guidelines outlined in the "Michigan Forestry Best Management Practices for Soil and Water Quality" handbook. If available the Michigan DNR will supply the culvert(s) and its placement will be permanent. If not available from the Michigan DNR, the producer will be required to supply the culvert(s). If the producer chooses to remove their culvert(s), the area must be left in a non-erodable condition as determined by the sale administrator. The producer may be required to purchase and place stone as directed by the sale administrator for leaving the removed culvert(s) area in a non-erodable state. Stream crossing permits, if needed, will be obtained by the DNR.

4.1.6 - Road construction (1/09)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be scattered, and not left in windrows and kept a minimum of 10 feet back from the road edge. be chipped, utilized or otherwise removed from the sale. Stumps shall be set upright, not left on edge, and be moved at least 10 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

4.1.7 - Road closure (10/11)

All new roads built into the sale must be blocked to vehicle traffic upon completion of the sale. All new roads built into the sale must be blocked to vehicle traffic within 30 days of completion of hauling. Overgrown roads that are reopened shall be considered new roads. Some existing roads may also need to be closed, see the Timber Sale Map for locations. In general, this will require constructing double earthen berms at strategic locations. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. Stumps and brush must be placed along the remainder of the trail. Berms must also be placed at intervals of not over 50 feet and at all junctions. These roads must be rendered impassable to cars and trucks. All stumps from road building and landing construction must be reserved to block any newly constructed roads upon completion of the sale. These stumps must be scattered along the road system to prohibit vehicular movement. Temporary berms may be required if no sale activity occurs for 30 or more consecutive days. Contact the sale administrator for specific details of design and placement.

4.1.8 - Road work (1) (8/07)

The following road work is required: Before running logging trucks on the snowmobile trail for hauling wood from Payment Units 1-5 adequate amounts of 3 minus crushed limestone must be placed in the snowmobile trail, as determined by the sale administrator, to prevent the breakdown and rutting of the trail. If rutting begins in the snowmobile trail during hauling operations, all hauling must cease on the deteriorating portion of trail until 3-minus stone is placed and the sale administrator grants permission to continue hauling.

4.2 - Maintenance

4.2.5 - Two wheel drive condition (2/04)

All existing trail roads on and adjacent to the sale area must be passable by two-wheel drive traffic for the duration of the sale.

4.4 - Access

4.4.3 - Access gate (12/08)

The access gate must be locked at the completion of each day unless otherwise approved by the Unit Manager or his/her representative. The access gate is located near the west end of Eagling Road to the south on a forest road. Contact the Unit Manager or his/her representative for the access key.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/16)

A pre-sale conference on site between the Purchaser and sale administrator is required prior to beginning any operations in a Payment Unit to determine landing and road locations. The Unit Manager or his/her representative must be contacted at least 5 days in advance to schedule the conference.

5.1.4 - Post-sale conference (10/16)

A post-sale conference on site between the Purchaser and sale administrator is required 5 days prior to the completion of active logging operations to determine clean-up and repair of landings, road edges, and the fulfillment of other contract specifications.

5.2 - Conduct of Operations

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

Obvious hollow and/or den trees shall be protected and left standing unless they are a safety hazard.

5.2.3 - Operating Restrictions

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 1-5, unless changed by written agreement, cutting, skidding, and hauling are not permitted during the period of 3/1 to 7/15. This restriction is in place because of the presence of low ground conditions and oak wilt concerns.

5.2.3.2 - Operating restrictions (9/11)

Within Payment Unit(s) 1-5, unless approved by the Unit Manager, hauling is not permitted from 5:00 p.m. Friday evening through 6:00 a.m. Monday morning during the December 1 to March 31 period. This restriction is due to the necessity of using the snowmobile trail for hauling wood from the sale.

5.2.3.11 - Coppice regeneration protection (4/10)

Timber harvesting in any Payment Unit must be completed before significant tree sprouting occurs in that Payment Unit so as to minimize damage to the new regeneration. Any post harvest operations, such as chipping, must be completed before sprouting of regeneration occurs. If it is anticipated that chipping will be delayed, then tops shall be carried to one central location or left unchipped. The Unit Manager or his/her representative may cease such operations if sprouting occurs before the operation is complete.

5.2.31 - Landing locations (9/13)

Recommended landing areas are marked on the timber sale map with Landing areas are marked on the Timber Sale Map with the letter "L". Landings must be confined to these designated sites unless otherwise authorized by the Unit Manager or his/her representative. In general, landings are limited to a "T" turnaround which will accommodate a truck with a 50 foot trailer. Other landing information.

5.2.32 - Decking/landing restoration (9/13)

All decking and landing areas must have the surface area restored to a condition equal to or better than before. This is to ensure the proper regeneration of the stand. Wood debris, chips and "cookies" from trimmings must be removed or scattered away from landing and loading areas and may not be windrowed on the edge. Additional text can be included regarding landing restoration.

5.2.38 - No decking against live trees (2/04)

Cut products may not be decked against unmarked or designated leave trees.

5.2.41 - Snowmobile trail protection (9/11)

Snowmobile trail 4 is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. If the trail is used, it must be maintained and restored to a condition equal to or better than before the sale. The road maintenance/restoration must be done prior to December 1. If the trail is used for hauling, it must be graded to the satisfaction of the Unit Manager or his/her representative prior to December 1st. If the trail road is to be used for hauling during the snowmobile season, then a snow covered base must be left on the trail. Maintain a 20 foot wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No decking of forest products will be permitted along the snowmobile trail. All stumps within 20 feet of the snowmobile trail must be cut at ground level. In addition, any trees cut

within 5 feet of the trail must have the stumps removed and be disposed of according to the direction of the Unit Manager or his/her representative.

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

5.5 - Protection of Improvements

5.5.3 - Protection of improvements detail (10/13)

The following are specific protection measures for this sale. Harvesting equipment shall be parked away from any body of water when not in use as a precaution to prevent contamination of water resources.

5.8 - Protection of Endangered Species

5.8.5 - Protection of raptor nests (3/13)

All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an on-site evaluation and recommendation can be made, if necessary.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on forest roads prior to beginning operations. The road must be posted at appropriate distances from the sale area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.



TIMBER SALE MAP

This information provided by authority of Part 525, 1994 PA 451, as amended.

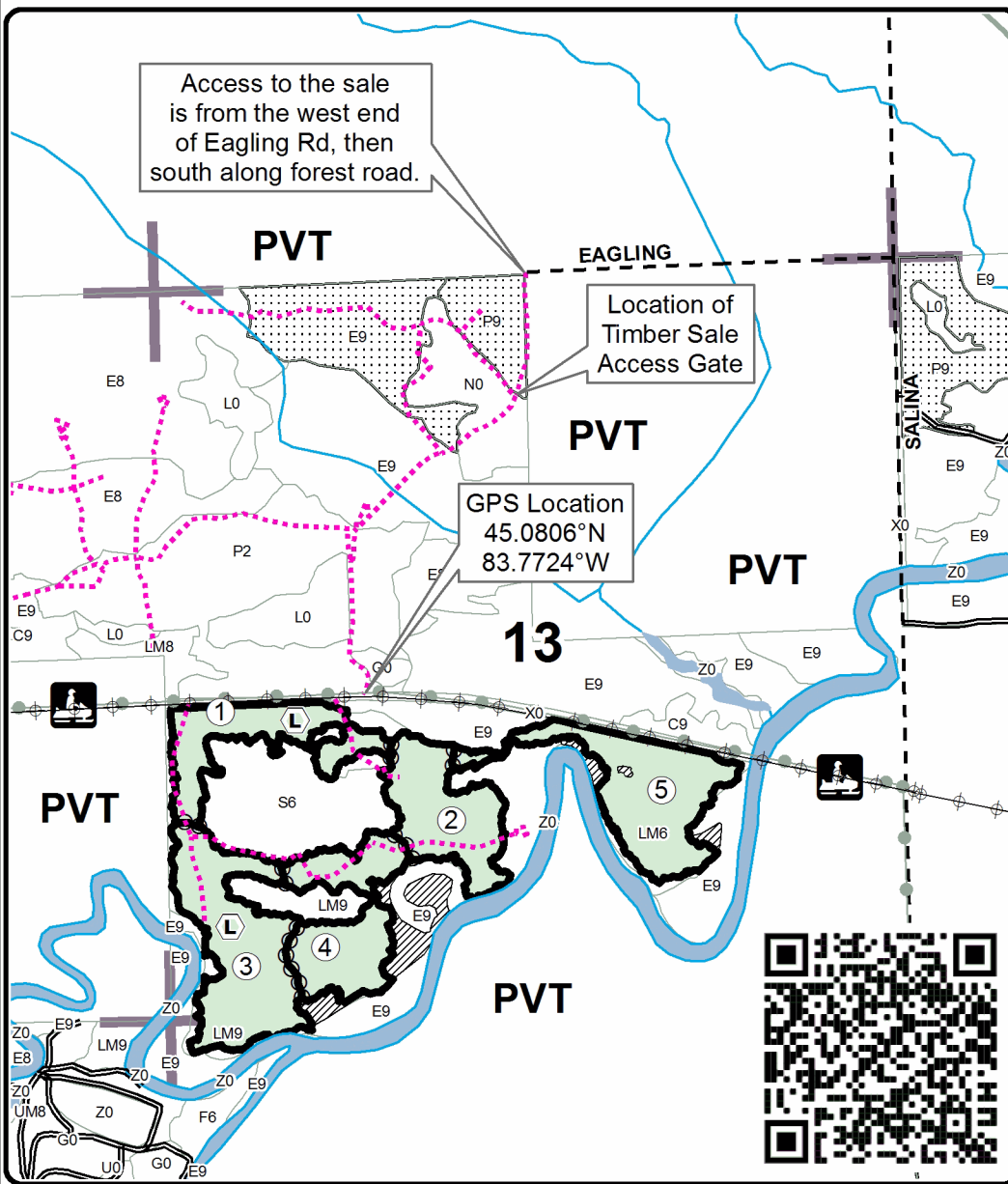
Forest Management Unit Atlanta		County Alpena	Mapped By D. Parris		Date 9/30/2021	Page 1 of 1	
		Cruised By D. Parris		Scale 1:15,840			
Township 31N	Range 05E	Section(s) and Subdivision(s) Sec 13 SW, N1/2SE, SWSE; Sec 24 NWNW					

Cover Type				Density			
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium		
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well		
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	7 = Saw Timber Poor		
D = Treed Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine	3 = Seedling Sapling Well	8 = Saw Timber Medium		
E = Swamp Hdwoods	M = Mpl, Bch, Brch	R = Red Pine	X = Non Stocked	4 = Pole Timber Poor	9 = Saw Timber Well		
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water				
G = Grass	MD = Mixed Deciduous	T = Tamarack					

PU	Acres	PU	Acres
1	12.2	4	14.2
2	13.7	5	18.0
3	20.7		

Buckthorn Deer Drive SBW Mix

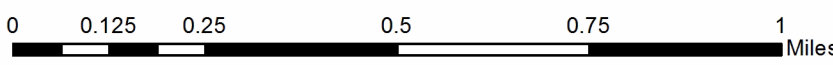
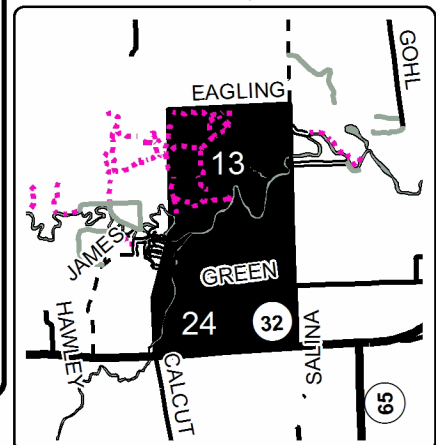
Compartment 94
78.8 Acres



Legend

- Against State (Red)
- ⊗ Payment Unit (Yellow)
- ▨ Retention Area (Red)
- Sale Area
- ▤ Nearby Timber Sales
- Stand Boundaries
- Payment Unit
- Ⓛ Landing
- Secondary Forest Road
- - Gravel Road
- Private
- ⋯ Temporary Management Access
- ⚡ Powerline
- Recreational Trail
- Perennial River
- Lakes and Rivers
- Section Corners

Locator Map
1:100,000



C108 Land O Giant Aspen D Mix (54-023-21)
T32N, R05E, SEC. 27; T32N, R05E, SEC. 34; Alpena COUNTY

In response to the notice of sale to be held 10:00 a.m. (local time) on September 27, 2022, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
Basswood	70.8 MBF	\$ 44.00/MBF	\$ _____
Mixed Aspen	165.5 MBF	\$ 73.00/MBF	\$ _____
Mixed Spruce	20.5 MBF	\$ 27.00/MBF	\$ _____
Red Maple	147.9 MBF	\$ 47.00/MBF	\$ _____
Red Pine	9.0 MBF	\$ 101.00/MBF	\$ _____
Pulpwood			
Balsam Fir	62 Cords	\$ 13.30/Cord	\$ _____
Basswood	88 Cords	\$ 9.75/Cord	\$ _____
Jack Pine	4 Cords	\$ 9.05/Cord	\$ _____
Mixed Aspen	3,031 Cords	\$ 19.90/Cord	\$ _____
Mixed Hardwood	546 Cords	\$ 17.55/Cord	\$ _____
Mixed Spruce	91 Cords	\$ 6.70/Cord	\$ _____
Paper Birch	111 Cords	\$ 8.45/Cord	\$ _____
Red Pine	8 Cords	\$ 34.65/Cord	\$ _____
Tamarack	15 Cords	\$ 4.20/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 5.08 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

I understand that any or all bids may be rejected. All bids must be signed and all bid items must be bid or the bid form may be rejected. I also understand that consideration and awarding a contract will be based upon my past performance and ability to complete the contract based upon equipment and staffing subject to my control.

FEDERAL ID: _____ - _____ or SOCIAL SECURITY NUMBER: _____ - _____ - _____

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

IF AVAILABLE, PLEASE PLACE THE PERSONALIZED LABEL FROM YOUR PROSPECTUS IN THE ABOVE BOX.

Individual or company representative's signature: _____ Date: _____

Phone number : _____ Email (optional): _____

THE WINNING BIDDER MUST COMPLETE THE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE (ON REVERSE SIDE IF DOUBLE SIDED) WITHIN 21 DAYS OF SALE AWARD DATE



FOR DEPARTMENT USE ONLY	
Sale Number (XX - XXX - XX - XX)	
Forest Management Unit:	

TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

As required by Act 317, P.A. 1969 (Worker's Compensation) and
Part 5 of Act 451 of 1994, as amended.

VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

- This verification must be completed and submitted within 21 days of contract award and prior to the issuance of the timber sale contract.
- In addition, if boxes 2B or 2C are checked, then Notice of Exclusion or Certificate of Insurance must be submitted within twenty-one (21) days of the contract award and prior to the issuance of the timber sale contract.
- All information must be typed or printed except for written signatures.

Please Check Appropriate Categories:

1. My business is organized as (you **must** check one of the boxes below):
 - A. Sole Proprietorship (individual)
 - B. Partnership
 - C. Corporation
2. You **must** check one of the boxes below:
 - A. I certify my business is a sole proprietorship and it has no employees but the sole proprietor. I am not subject to the Worker's Compensation Laws.
 - B. I certify my business has satisfied its obligation to the Worker's Compensation Act through the use of an approved Notice of Exclusion (BWC-337, Rev. 5/96). I will provide a copy of the Notice of Exclusion within 21 days of the contract award. (For questions or a copy of the BWC-337, please call the Worker's Compensation Bureau at 517-322-1195).
 - C. I certify my business has a Worker's Compensation Policy. I will provide an original Certificate of Insurance within twenty-one (21) days of the contract award.
3. If you have checked item 2(A) or 2(B), you **must** indicate the number of **both** full-time and part-time employees, other than yourself, including family members and active partners (if none, you must enter "0").

_____ Full-time Employees

_____ Part-time Employees

Name of Business		Federal ID (or) Social Security No.	
Address		Telephone ()	
City	State	ZIP	

I hereby certify that the above information is true and correct. I agree to notify the Michigan DNR of any changes that occur in factors affecting my coverage during any of my present and future operations.

Signature of Owner or Authorized Representative

Title

Date

Please complete the "SEALED BID" information on the next page

Lake of the Ozarks Mix (54-021-21)
T31N, R07E, SEC. 6; T32N, R07E, SEC. 31; T32N, R07E, SEC. 32; Alpena

In response to the notice of sale to be held 10:00 a.m. (local time) on September 27, 2022, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
Mixed Aspen	94.3 MBF	\$ 89.00/MBF	\$ _____
Mixed Spruce	6.1 MBF	\$ 33.00/MBF	\$ _____
Red Maple	36.6 MBF	\$ 57.00/MBF	\$ _____
Red Pine	26.3 MBF	\$ 123.00/MBF	\$ _____
White Pine	33.4 MBF	\$ 90.00/MBF	\$ _____
Pulpwood			
Balsam Fir	474 Cords	\$ 16.25/Cord	\$ _____
Jack Pine	9 Cords	\$ 11.05/Cord	\$ _____
Mixed Aspen	1,075 Cords	\$ 24.30/Cord	\$ _____
Mixed Hardwood	496 Cords	\$ 21.45/Cord	\$ _____
Mixed Spruce	88 Cords	\$ 8.20/Cord	\$ _____
Paper Birch	112 Cords	\$ 10.30/Cord	\$ _____
Red Pine	28 Cords	\$ 42.35/Cord	\$ _____
White Pine	208 Cords	\$ 15.55/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 4.16 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

I understand that any or all bids may be rejected. All bids must be signed and all bid items must be bid or the bid form may be rejected. I also understand that consideration and awarding a contract will be based upon my past performance and ability to complete the contract based upon equipment and staffing subject to my control.

FEDERAL ID: _____ or SOCIAL SECURITY NUMBER: _____

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

IF AVAILABLE, PLEASE PLACE THE PERSONALIZED LABEL FROM YOUR PROSPECTUS IN THE ABOVE BOX.

Individual or company representative's signature: _____ Date: _____

Phone number : _____ Email (optional): _____

THE WINNING BIDDER MUST COMPLETE THE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE (ON REVERSE SIDE IF DOUBLE SIDED) WITHIN 21 DAYS OF SALE AWARD DATE



FOR DEPARTMENT USE ONLY
Sale Number (XX - XXX - XX - XX)
Forest Management Unit:

TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

*As required by Act 317, P.A. 1969 (Worker's Compensation) and
Part 5 of Act 451 of 1994, as amended.*

VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

- This verification must be completed and submitted within 21 days of contract award and prior to the issuance of the timber sale contract.
- In addition, if boxes 2B or 2C are checked, then Notice of Exclusion or Certificate of Insurance must be submitted within twenty-one (21) days of the contract award and prior to the issuance of the timber sale contract.
- All information must be typed or printed except for written signatures.

Please Check Appropriate Categories:

1. My business is organized as (you **must** check one of the boxes below):
 - A. Sole Proprietorship (individual)
 - B. Partnership
 - C. Corporation
2. You **must** check one of the boxes below:
 - A. I certify my business is a sole proprietorship and it has no employees but the sole proprietor. I am not subject to the Worker's Compensation Laws.
 - B. I certify my business has satisfied its obligation to the Worker's Compensation Act through the use of an approved Notice of Exclusion (BWC-337, Rev. 5/96). I will provide a copy of the Notice of Exclusion within 21 days of the contract award. (For questions or a copy of the BWC-337, please call the Worker's Compensation Bureau at 517-322-1195).
 - C. I certify my business has a Worker's Compensation Policy. I will provide an original Certificate of Insurance within twenty-one (21) days of the contract award.
3. If you have checked item 2(A) or 2(B), you **must** indicate the number of **both** full-time and part-time employees, other than yourself, including family members and active partners (if none, you must enter "0").

_____ Full-time Employees

_____ Part-time Employees

Name of Business		Federal ID (or) Social Security No.	
Address		Telephone ()	
City	State	ZIP	

I hereby certify that the above information is true and correct. I agree to notify the Michigan DNR of any changes that occur in factors affecting my coverage during any of my present and future operations.

Signature of Owner or Authorized Representative

Title

Date

Please complete the "SEALED BID" information on the next page

Graham's Long Mile Mix (54-022-21)
T32N, R06E, SEC. 26; T32N, R06E, SEC. 34; T32N, R06E, SEC. 35; Alpena

In response to the notice of sale to be held 10:00 a.m. (local time) on September 27, 2022, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
Mixed Aspen	120.7 MBF	\$ 89.00/MBF	\$ _____
Red Maple	19.7 MBF	\$ 57.00/MBF	\$ _____
Red Pine	77.9 MBF	\$ 123.00/MBF	\$ _____
White Pine	48.1 MBF	\$ 90.00/MBF	\$ _____
White Spruce	13.7 MBF	\$ 21.00/MBF	\$ _____
Pulpwood			
Balsam Fir	104 Cords	\$ 16.25/Cord	\$ _____
Mixed Aspen	999 Cords	\$ 24.30/Cord	\$ _____
Mixed Hardwood	373 Cords	\$ 21.45/Cord	\$ _____
Mixed Spruce	87 Cords	\$ 8.20/Cord	\$ _____
Red Pine	75 Cords	\$ 42.35/Cord	\$ _____
White Pine	92 Cords	\$ 15.55/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 5.51 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

I understand that any or all bids may be rejected. All bids must be signed and all bid items must be bid or the bid form may be rejected. I also understand that consideration and awarding a contract will be based upon my past performance and ability to complete the contract based upon equipment and staffing subject to my control.

FEDERAL ID: _____ or SOCIAL SECURITY NUMBER: _____

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

IF AVAILABLE, PLEASE PLACE THE PERSONALIZED LABEL FROM YOUR PROSPECTUS IN THE ABOVE BOX.

Individual or company representative's signature: _____ Date: _____

Phone number : _____ Email (optional): _____

THE WINNING BIDDER MUST COMPLETE THE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE (ON REVERSE SIDE IF DOUBLE SIDED) WITHIN 21 DAYS OF SALE AWARD DATE



FOR DEPARTMENT USE ONLY	
Sale Number (XX - XXX - XX - XX)	
Forest Management Unit:	

TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

As required by Act 317, P.A. 1969 (Worker's Compensation) and
Part 5 of Act 451 of 1994, as amended.

VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

- This verification must be completed and submitted within 21 days of contract award and prior to the issuance of the timber sale contract.
- In addition, if boxes 2B or 2C are checked, then Notice of Exclusion or Certificate of Insurance must be submitted within twenty-one (21) days of the contract award and prior to the issuance of the timber sale contract.
- All information must be typed or printed except for written signatures.

Please Check Appropriate Categories:

1. My business is organized as (you **must** check one of the boxes below):
 - A. Sole Proprietorship (individual)
 - B. Partnership
 - C. Corporation
2. You **must** check one of the boxes below:
 - A. I certify my business is a sole proprietorship and it has no employees but the sole proprietor. I am not subject to the Worker's Compensation Laws.
 - B. I certify my business has satisfied its obligation to the Worker's Compensation Act through the use of an approved Notice of Exclusion (BWC-337, Rev. 5/96). I will provide a copy of the Notice of Exclusion within 21 days of the contract award. (For questions or a copy of the BWC-337, please call the Worker's Compensation Bureau at 517-322-1195).
 - C. I certify my business has a Worker's Compensation Policy. I will provide an original Certificate of Insurance within twenty-one (21) days of the contract award.
3. If you have checked item 2(A) or 2(B), you **must** indicate the number of **both** full-time and part-time employees, other than yourself, including family members and active partners (if none, you must enter "0").

_____ Full-time Employees

_____ Part-time Employees

Name of Business		Federal ID (or) Social Security No.	
Address		Telephone ()	
City	State	ZIP	

I hereby certify that the above information is true and correct. I agree to notify the Michigan DNR of any changes that occur in factors affecting my coverage during any of my present and future operations.

Signature of Owner or Authorized Representative

Title

Date

Please complete the "SEALED BID" information on the next page

Buckthorn Deer Drive SBW Mix (54-033-21)
T31N, R05E, SEC. 13; T31N, R05E, SEC. 24; Alpena COUNTY

In response to the notice of sale to be held 10:00 a.m. (local time) on September 27, 2022, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
Basswood	12.6 MBF	\$ 54.00/MBF	\$ _____
Mixed Aspen	72.5 MBF	\$ 89.00/MBF	\$ _____
N. White Cedar	26.2 MBF	\$ 32.00/MBF	\$ _____
Red Maple	69.4 MBF	\$ 57.00/MBF	\$ _____
Red Oak	5.0 MBF	\$ 147.00/MBF	\$ _____
Red Pine	2.3 MBF	\$ 123.00/MBF	\$ _____
White Spruce	20.2 MBF	\$ 21.00/MBF	\$ _____
Pulpwood			
Balsam Fir	244 Cords	\$ 16.25/Cord	\$ _____
Mixed Aspen	496 Cords	\$ 24.30/Cord	\$ _____
Mixed Hardwood	410 Cords	\$ 21.45/Cord	\$ _____
Mixed Spruce	292 Cords	\$ 8.20/Cord	\$ _____
N. White Cedar	204 Cords	\$ 15.75/Cord	\$ _____
Paper Birch	48 Cords	\$ 10.30/Cord	\$ _____
Red Oak	9 Cords	\$ 48.10/Cord	\$ _____
Red Pine	1 Cords	\$ 42.35/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 4.58 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

I understand that any or all bids may be rejected. All bids must be signed and all bid items must be bid or the bid form may be rejected. I also understand that consideration and awarding a contract will be based upon my past performance and ability to complete the contract based upon equipment and staffing subject to my control.

FEDERAL ID: ____ - ____ - ____ or SOCIAL SECURITY NUMBER: ____ - ____ - ____

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

IF AVAILABLE, PLEASE PLACE THE PERSONALIZED LABEL FROM YOUR PROSPECTUS IN THE ABOVE BOX.

Individual or company representative's signature: _____ Date: _____

Phone number : _____ Email (optional): _____

THE WINNING BIDDER MUST COMPLETE THE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE (ON REVERSE SIDE IF DOUBLE SIDED) WITHIN 21 DAYS OF SALE AWARD DATE



FOR DEPARTMENT USE ONLY
Sale Number (XX - XXX - XX - XX)
Forest Management Unit:

TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

*As required by Act 317, P.A. 1969 (Worker's Compensation) and
Part 5 of Act 451 of 1994, as amended.*

VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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- All information must be typed or printed except for written signatures.

Please Check Appropriate Categories:

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 - B. Partnership
 - C. Corporation

2. You **must** check one of the boxes below:
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 - B. I certify my business has satisfied its obligation to the Worker's Compensation Act through the use of an approved Notice of Exclusion (BWC-337, Rev. 5/96). I will provide a copy of the Notice of Exclusion within 21 days of the contract award. (For questions or a copy of the BWC-337, please call the Worker's Compensation Bureau at 517-322-1195).
 - C. I certify my business has a Worker's Compensation Policy. I will provide an original Certificate of Insurance within twenty-one (21) days of the contract award.

3. If you have checked item 2(A) or 2(B), you **must** indicate the number of **both** full-time and part-time employees, other than yourself, including family members and active partners (if none, you must enter "0").

_____ Full-time Employees

_____ Part-time Employees

Name of Business		Federal ID (or) Social Security No.	
Address		Telephone ()	
City	State	ZIP	

I hereby certify that the above information is true and correct. I agree to notify the Michigan DNR of any changes that occur in factors affecting my coverage during any of my present and future operations.

Signature of Owner or Authorized Representative

Title

Date

Please complete the "SEALED BID" information on the next page